



ENVIRONMENTAL IMPACT ASSESSMENT
FOR THE PROJECT OF
INSTALATION OF A NEW BOTTLING
FACILITY BY M/S COCA COLA
BEVERAGES PAKISTAN (PRIVATE)
LIMITED
(MULTAN GREEN FIELD PLANT)
LOCATED AT
COCA COLA BEVERAGE PVT. INDUSTRIAL
PHASE-II, PLOTS NO. 141-148 & 163-170 MIE
MULTAN



Office # 33, Fazlia Colony, Shadman, Main Ferozepur Road, Lahore.

Cell: 042-35942017, 0345-4646406

Email: a.s.ent@outlook.com

TABLE OF CONTENTS

EXECUTIVE SUMMARY	8
Location of site area	9
Aerial Map:.....	9
Project proponent:	11
Environmental consultant:.....	11
Brief outline of the proposal:.....	11
Study area.....	15
Major impacts:.....	15
Proposed environmental monitoring	21
Flue Gases	21
Noise	21
Water quality.....	22
CHAPTER – 1.....	23
INTRODUCTION.....	23
Overview of the COCA-COLA Beverages Pakistan limited.....	24
Project benefits:.....	24
Purpose of the study/ report:.....	24
Scope of the study	25
Identification of the project	26
Proponent detail.....	26
Details of consultant	26
Nature, size and location of the proposed project.....	27
Location of the project area	28
Methodology for conducting EIA study	29
Environmental baseline survey of the project area.....	29
Screening of potential environmental impacts and mitigation measures	30
Preparation of environmental monitoring program and institutional requirement:	31
Reporting:	31
Submission and review of draft:.....	31
Final Report:.....	32
Structure of the Report:.....	32
CHAPTER - 2	33
DESCRIPTION OF PROJECT	33
Type and category of project:.....	33
Project overview	33

What is BEVERAGE INDUSTRY?	33
Market insight:.....	34
Manufacturing process.....	34
Raw Materials.....	34
Syrup Production:	35
Pasteurization:	36
Impregnation:	36
Bottling process	36
Food Safety & Hygienic Design.....	37
Emissions and controls:	37
Alternative Consideration.....	38
Reasons of selection of subject project site	38
Road Access:	38
Land use at site	39
Vegetation features of the project:.....	39
Cost and magnitude of the project:	39
Schedule of Implementation.....	39
Machinery requirements:	40
Staff allocation.....	40
Brief description of the project:	40
Safety trainings:.....	43
Personal Protective Equipment (PPEs):	44
Risk Assessment and Disaster Management Plan	44
Occupational Exposure Mitigation Planning.....	44
Use of Narcotics/ smoking.....	44
Security.....	44
Power demand	44
Water demand	44
Government Approvals:	45
Restoration & Rehabilitation Plan	45
Pictorial view of Mitigation/ Safety measures taken at existing plant area.....	46
CHAPTER - 3	53
DESCRIPTION OF ENVIRONMENT	53
Baseline conditions:.....	53
Physical environment	53

Topography	53
Seismicity	55
Climate	56
Hydrology	57
Ambient air	58
Biological environment	58
Fauna	58
Flora	58
Socioeconomic environment	58
Demography	58
Education	59
Industries	59
Notable people	59
Recreational resources and development:	60
Literacy & quality of life values.....	60
Archaeological and historical treasures	60
CHAPTER - 4	61
SCREENING OF POTENTIAL ENVIRONMENTAL IMPACTS & THEIR MITIGATION MEASURES	61
Assessing impacts:.....	61
Environmental impacts due to project location	61
Mitigation Measures for location phase impacts	61
Environmental Impacts due to the project design	61
Mitigation measures and recommendations	62
Environmental Impacts during the installation phase.....	62
Air quality	62
Noise	62
Soil:	63
Wastewater:	64
Solid waste	64
Health and safety	65
Impact on biological environment:	65
Impact on socio-economic environment:	65
Potential Impacts during operational phase	66
Methodology for impact evaluation:	66
Impact assessment criteria	67
Air Quality	68
Waste Water:	68
Noise	69
Solid waste	70
Energy	70

Health and safety	71
Soil Contamination:	71
Impact on socio-economic environment:	72
Potential environmental enhancement measures:	72
Purpose of Mitigation measures:	72
CHAPTER - 5	74
ENVIRONMENTAL MANAGEMENT AND MONITORING PROGRAM	74
Institutional capacity	74
Training Schedule:.....	74
Summary of impacts and their mitigation measures:.....	75
Equipment maintenance detail	81
Environmental Budget:.....	82
CHAPTER - 6	86
PUBLIC CONSULTATION & STAKEHOLDERS PARTICIPATION.....	86
Objectives of consultation	86
Methodology of consultation	87
Stakeholder Identification.....	87
Proponent.....	87
Responsible Authority	88
Other Departments and Agencies	88
Environmental Practitioners and Experts:	88
Affected & Wider Community	88
Remarks	88
CHAPTER – 7.....	90
CONCLUSION & RECOMMENDATION	90
Conclusion.....	90
Recommendations:	90
References	91
Annexures	92

LIST OF TABLES

Table 1: Proponent's Detail	11
Table 2: Project's Detail	12
Table 3: Potential Installation Phase Impacts	15
Table 4: Potential Operational Phase Impacts	18
Table 5: Detail of EIA team	26
Table 6: Project overview	33
Table 7: Project's Detail	41
Table 9: Population of District Multan	59
Table 10: Scale for impact assessment (Significance & Magnitude)	66
Table 11: Proposed training schedule	74
Table 12: Summary of impacts during construction phase	75
Table 13: Summary of impacts during operation phase	78
Table 14: Environment budget detail	82

LIST OF FIGURES

Figure 1: Boundary of the plant area	10
Figure 2: Pictorial view of the plant area.....	10
Figure 3: Aerial view of the surrounding area.....	11
Figure 4: CCBPL (MGF- MULTAN GREEN FIELD) plant area.....	29
Figure 5: Access roads	38
Figure 6: Schedule of implementation.....	39
Figure 7: Geographical Map of Multan	54
Figure 8: Elevation Profile of Multan	55
Figure 09: Seismic Map of Pakistan.....	55
Figure 10: Graphical representation of Temperature & Precipitation	57
Figure 11: Wind direction.....	57

LIST OF ANNEXURES

- Annexure-A: Proponent CNIC
- Annexure-B: Lab Reports
- Annexure-C: Process Flow Chart
- Annexure-D: Raw Material Details
- Annexure-E: Machinery Details
- Annexure-F: Google Earth Maps
- Annexure-G: Layout Plan
- Annexure-H: Land Documents
- Annexure-I: Relevant Approvals
- Annexure-J: Solid Waste Agreement

EXECUTIVE SUMMARY

It is the intention of Mr. Ubaid-Ur-Rehman proponent/ representative of M/s Coca Cola Beverages Pakistan Limited, Multan Green Field Plant, to increase the production capacity by “Installation of a new bottling facility i.e., 1 Glass Bottle & 3 Pet Bottle lines over an area of 34 acre, by Coca Cola Beverages Pakistan (Private) Limited, Located at coca cola beverages pvt. Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan”, for which environmental approval had been applying through this report.

Project proponent wants to obtain the environmental approval for proposed beverages “Installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle lines over an area of 34 acre, project site is located at Coca Cola Beverages Pvt. Industrial Phase-II, Plots No 141-148 to 163-170 MIE Multan” by submitting the Environmental Impact Assessment EIA report to Environment Protection Agency, Punjab, Lahore, for the compliance of section 12, *Punjab Environmental Protection Act, 1997(Amendment 2012), under section 12.*

M/s CCBPL MGF (Multan Green Field) new bottling facility is established on a total land area of 34 acre (137,593 m²), including construction zones, operational areas, and provision for future expansion with adequate open space for additional PET bottles lines. The plant covered area totals 46,716 m², including production, utilities, and support facilities. The facility comprises 1 Glass Bottle (RGB) line with a production capacity of 60,000 bottles per hour (250 ml), PET Line 2 & 3 with 36,000 bottles per hour, and PET Line 4 with 45,000 bottles per hour, ensuring high-volume beverage production.

The site water requirements for 1 glass bottle line and 3 PET lines are met via tube wells with a combined capacity of 150 m³/hr, supplied through three turbines with capacities of 175, 75, and 175 m³/hr, respectively.

The facility operates on WAPDA power, and is supported by a 3 MW solar power plant covering 20,000 sq. ft., ensuring sustainable energy supply. Backup power is provided by diesel generators of 2,250 kVA (stack emission reports are attached).

The total wastewater discharge of 2400 m³/day in compliance with the Industrial Estate Multan wastewater discharge agreement. Environmental monitoring has been conducted, and reports for ambient air quality, noise levels, and wastewater analysis are attached. All EPA NOCs for

construction and operational phases have been obtained, ensuring compliance with regulatory requirements.

Overall, the CCBPL MGF (Multan Green Field) bottling facility is designed to support high-volume beverage production while ensuring sustainability, environmental compliance, and future expansion potential. Layout map of the subject project indicating existing plans is attached with this report.

M/s CCBPL will follow the process as for production line i.e., usage of 03 basic raw materials such as Sugar, CO₂, concentrate for the production of beverages drinks with the help of automated quality approved machinery such as Mixer, Filler, wrap machines etc., for detailed description of proposed process, raw material and process related machinery requirement, relevant information are present in project description chapter respectively.

The proposed project falls in the Schedule II, (list of project requiring EIA) Category B (Manufacturing and Processing), sub- Category-04 “food processing industries including beverages, milk, & dairy products with total cost more than 200 million” projects requiring Environmental Impact Assessment (EIA)” according to IEE/EIA Regulations 2022, made under section 12 of Punjab Environmental Protection Act 1997 (Amendment 2012) under which the Environmental Impact Assessment is mandatory for getting environmental Approval.

LOCATION OF SITE AREA:

The subject site is located at Coca Cola Beverages Pvt. Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan.

Project co-ordinates are as follow:

North: Industrial Estate Phase-3 Road, Link to Southern Bypass Link Road

East: Industrial Estate Phase-3 Road

West: Industrial Estate Phase-3 Road

South: Industrial Estate Phase-3 Road, Link to Southern Bypass Link Road

Proposed site’s Google Earth maps are attached as **Annexure-F**.

AERIAL MAP:

Proposed Site	30° 7' 8.16" N,	71° 22' 25.14" E
----------------------	------------------------	-------------------------



Figure 1: Boundary of the plant area



Figure 2: Pictorial view of the plant area



Figure 3: Aerial view of the surrounding area

PROJECT PROPONENT:

Table 1: Proponent's Detail

Proponent Name	Ubaid-Ur-Rehman S/o Muhammad Irshad
Designation	Quantity assurance manager
CNIC #	38104-6974332-3
Postal address	House# 786, St#23, Muhallah Gulistan Colony, Mustafa Abad Lahore Cannt, District Lahore.

Proponent’s CNIC and other relevant documents are attached as **Annexure-A**.

ENVIRONMENTAL CONSULTANT:

A.S. Enterprises, as independent consultants, has been appointed by the proponent to conduct Environmental Impact Assessment (EIA).

Company office address: 33, Fazlia Colony, Shadman, Main Ferozepur Road, Lahore.

Contact: 042-37503464, 0345-4646406, 0342-5801476.

For detail company profile see the *Chapter # 1 “Introduction”*

BRIEF OUTLINE OF THE PROPOSAL:

The subject project is proposed Installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle lines over an area of 34 acre having production capacity of 1 RGB 60,000 bph of 250 ml and 2 & 3 PET lines 36000 bottles bph and 4th PET bottle line having capacity 45000 bph, at existing operational Coca Cola Beverages Pakistan Limited (Multan Green

Field Plant) located at Coca Cola Beverages Pvt. Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan. Details of production process is thoroughly described in “Chapter No. 02 – Process Description” and Process Flow Chart is being attached with this report as **Annexure-C**. Basic raw materials for the Production Line are enlisted in the document attached as **Annexure-D**. In the process, Ingredients: Sugar acquired from local market and concentrate from Coca-Cola Company will be mixed in mixer machine consuming RO treated water. The mixture is called syrup. Water accounts for the largest portion of your beverage and needs to be safe. Carbonation is the step of adding carbon dioxide to a drink. The CO₂ that you inject into your beverage must be free of particles and microorganisms. Non-carbonated drinks do not include the carbonization step. The air used in the bottle blower to turn the pre-forms into the final PET bottle must be free of contaminants; its filtration ensures a bottle with low bioburden is produced. Just as the air used in the bottle blower must be free of contaminants, the water used to rinse the bottles must also be free of contaminants; its filtration ensures good quality of the bottles prior to filling. A safe and reliable container is essential to maintain the quality and shelf life of your drink. Gas filtration can also be used during the filling process of carbonated drinks. In order for the filling to be possible, the filler bowl must be pressurized and the gas used must be microbiologically stable. M/s CCBPL ensures safety & quality of product as per international standards.

The subject project involves the, installation of machinery in area owned by Coca Cola Beverages Limited, Land documents are attached as **Annexure-E**. The total area of the unit is 34 Acre, having adequate space for future extensions. The proposed project of production line namely new bottling facility will be installed and no significant construction activity will be involved. Total estimated project cost will be 18 billion PKR.

Many industrial units are already working in the vicinity of the subject site area as it is located near Industrial Phase-II, MIE Multan. Before commencement of the subject project, it is necessary to obtain the NOC from concerned departments. So, EIA study has been carried out for the project prior to start activity in the area and to obtain the Environmental Approval from the Concerned Environment Department.

Table 2: Project's Detail

Name of the proposed project	Proposed Installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle lines over an area of 34 acre by M/s Coca Cola Beverages Pakistan Limited (CCBPL).
Purpose of the project	Production capacity increase in said area to fulfill demand.

PROCESS DETAILS	
Manufacturing Process	Beverages/ soft drinks production
Raw Material	Sugar, CO ₂ , Concentrate
Finished Products	Coca-Cola, Coke Zero, Sprite, Sprite Mint, Sprite Zero, Fanta, Roar, Predator
Capacity	1 RGB 60,000 bph of 250 ml & 2 & 3 PET lines having capacities 36,000 Bottles/hr and PET line 4 having capacity 45,000 of 1.5 liters each
Description of process	In the process, Ingredients: Sugar acquired from local market and concentrate from Coca-Cola Company will be mixed in mixer machine consuming RO treated water. The mixture is called syrup. Water accounts for the largest portion of your beverage and needs to be safe. Carbonation is the step of adding carbon dioxide to a drink. Non-carbonated drinks do not include the carbonization step. The air used in the bottle blower to turn the pre-forms into the final PET bottle followed by filling, labelling, wrapping and dispatch.
LAND/ AREA DETAILS	
Total Area of the existing unit	34 Acre
Area requirement for proposed installation	137,593 m ²
Covered area of Plant	46,716 m ²
Area for Solar Installation	20,000 sft
STATUS AND LOCATION	
Location of the proposed site	Coca Cola Beverages Pvt. Limited Pakistan, Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan.
Current Status of the site area	Already Constructed/Established operational beverages production unit by M/s CCBPL
Current Status of the surrounding areas	Many industrial units are already working in the vicinity of the subject site area as it is located near Industrial Phase-II, MIE Multan.
WATER REQUIREMENT	
	Approx. 150 m ³ /hr water is required for the operation of the production Lines and approximately 2500m ³ /day

Water consumption for the project	water will be used for the operation of proposed production Facility. For firefighting purpose, water tank available 1000m ³ . Water will also be used for domestic purpose which will be treated through septic tanks before disposal.
Ways of extraction	Motor pump/ Turbine
Source of Water consumption	Underground (for process), Reutilization (for plantation/ domestic activities).
Amount of waste water	Approx. 300m ³ /day wastewater generating from the existing unit. Reutilization of RO rejected water will be ensured to maximum possible level by using it for non- process consumptions i.e., plantation, washing, sprinkling and other domestic activities. For domestic activities, 60-70% of total water consumption which can also be reused for plantation after effective treatment through septic system.
Source of waste water	Operation and Domestic activities.
Mode of treatment	The wastewater treatment plant has been developed in the existing facility having capacity of 30m ³ /hr. After the treatment of wastewater, the water will be drain out in the nearby drain.
SOLID WASTE	
Source of solid waste generation	Operation and Domestic sources i.e., Raw material packaging bags/ containers/ iron & wood scrap/ paper/ cardboard and domestic trash.
Mode of disposal	Will be handed over to contractors
MANPOWER	
Labor Force	About 35-50 persons during Installation
Labor Force	About 80-100 persons during Operations
POWER REQUIREMENTS	
	Power requirements at the project site will be fulfilled by WAPDA/Solar power plant (3 MW)/ standby power house.

Source of power	Existing power requirement of the facility is 5.5MW which is fulfilled by national grid 2.5 MW & Solar system (3 MW). Standby generators only utilized in case of load shedding; Diesel fired generators of 2250KVA are installed at facility (stack emission report is attached).
------------------------	---

STUDY AREA:

The present EIA study area for said activity is of multi type land use including industrial setups, agricultural and commercial purposes, various industrial units are already working in the vicinity of the proposed site area as Industrial Phase-II, MIE Multan, is located at Approx. 7.5-km distance from southern bypass road, Multan Road as shown in Google Earth Map attached as **Annexure-F**.

MAJOR IMPACTS:

In order to identify all the activities associated with the project during installation and operation phases with potential to cause adverse environmental impacts and harm a thorough review has been conducted. The subject project area located near industrial estate. In case of impact arises from the project activities then possible necessary measures will be adopted to control them. Overall, the project has positive impacts on the local population in terms of employment opportunity and economic activity in their area and country as a whole but also has some negative impacts which will be controlled through proper safety measures, mitigation measures and SOPs. As proposed site area has already operational beverages production unit with adequate safeguards/ mitigation measures taken for overall safety of environment, community and workers. Restoration & reclamation steps after construction phase has been taken by planting the native species in and around local areas. Management of M/s CCBPL committed to implement the same strategies with additional safeguard measures for the project.

Table 3: Potential Installation Phase Impacts

SUMMARY OF IMPACTS DURING INSTALLATION PHASE		
Potential Impacts	Criteria for determining Significance	Key Mitigation Measures

<p>Health and safety issues- may arise due to improper handling of work and if precautionary measures will not be adopted.</p>	OSHA Standards	<p>Proper training of workers and staff regarding proposed installation should be conducted to avoid the accidents.</p> <p>Use of PPEs should be implemented at workplace.</p> <p>First aid measures/medical facility is available at the project site.</p> <p>Safe drinking water must be provided to workers and staff.</p> <p>Safety signs & boards should be placed during installation activities.</p> <p>Installation site should be fenced properly to avoid any damage to adjacent workers in the area.</p> <p>Adequate firefighting arrangements and availability of trained firefighting staff is being ensured by M/s CCBPL.</p> <p>Smoking or any drugs should be prohibited during working hours or performing work.</p>
<p>Gaseous Emissions</p>	NEQS	<p>NIL.</p> <p>Proposed project's scope did not cover any construction & demolition activity as subject unit are already constructed and Operational.</p>
<p>Particulate Matter</p>	NEQS	<p>NIL.</p> <p>Proposed project's scope did not cover any construction & demolition activity as subject unit & associated facilities are already constructed and only involves installation activities.</p>
<p>Noise- Noise may be generated during installation and movement activities at the project site; which may be a nuisance for the workers.</p>	OSHA standards	<p>Activities generating high levels of noise should be minimized at the project site.</p> <p>If the noise level will exceed the permissible limits with reference to national and OSHA standards during installation activities i.e., movement of machinery/ loading/ unloading, handling, welding etc., following recommendations are suggested to take action against the high noise levels:</p> <ul style="list-style-type: none"> • Proper tuning of machinery and vehicles involve in installation activities is recommended. • Ear muffs and ear plugs are recommended in

		case of high noise levels.
Solid waste Management — If solid waste will not be managed properly, it may cause negative impacts	Generation of excessive waste; Recyclable waste and reusable waste is discarded; Improper disposal	Solid waste should be handed over to relevant contractor; Domestic waste should be disposed off properly, handed over to contractors, placed in bins; Proper solid waste management plan is implemented. Temporary handling & storage site is designated.
Vegetation Loss/ Soil erosion —	Unnecessary or excessive removal of trees and shrubs.	NIL. No tree cutting/ vegetation loss issue will be involved in the proposed project as project site is already established unit and only installation of the beverages line machinery will involve. Efforts has been taken to restore/ betterment of the local area through Plantation Plan & donations. Native trees/ plants will be planted along with boundary walls and in designated sites.
Soil Contamination — mismanagement of solid waste can contaminate the soil.	Presence of visible amount of solid waste in soil.	An effective solid waste management system is in place to mitigate the potential impacts.
Wastewater-	Environmental implications if dispose off untreated. Prevention of diseases spread.	NIL. Proposed project's scope did not cover any construction & demolition activity as subject unit & associated facilities are already constructed and only involves installation activities which will not generate any wastewater.

<p>Socioeconomic impacts—Inter-cultural differences between the project staff from other areas and the local community may arise due to the subject project.</p> <p>Positive socioeconomic impacts due to increased infrastructure, employment opportunities and economic growth.</p>	<p>No community complaints</p> <p>Increased employment facilities in the area;</p> <p>Increased infrastructure</p>	<p>Training of the non-local project staff on local culture and norms;</p> <p>Avoidance of unnecessary interaction of local population with the non-local project staff.</p> <p>Employment opportunities should be provided to the local people to maximum extent possible.</p> <p>CSR program for local community in recommended.</p> <p>Complaint resolution committee should be formulated to address grievances.</p>
--	--	--

Table 4: Potential Operational Phase Impacts

SUMMARY OF IMPACTS DURING OPERATION PHASE		
Potential Impacts	Criteria for Determining Significance	Key Mitigation Measures
<p>Air Emissions-</p> <p>During the operational phase of the project, gaseous emissions from project related activities and power sources may affect the air quality of the project area.</p> <p>Project activities can also impact the ambient air through release of PM.</p>	<p>NEQS for Ambient Air</p> <p>NEQS for Stack Emissions</p>	<p>Industry should ensure the NEQS compliance and should not be allowed to emit hazardous pollutants.</p> <p>Air Emission Control Measures are recommended to control the air emissions.</p> <p>Maximum possible plantation is recommended as it absorbs gaseous emissions as well as prevent lower atmospheric dust to move along with the air action.</p> <p>All project related machinery, standby generators, vehicles will be checked regularly to ensure that are in sound working condition and are not emitting smoke.</p> <p>Regular monitoring as per NEQS is recommended for ambient air and stack emissions.</p> <p>Proponent should keep the records of monitoring and equipment maintenance.</p>



<p>Noise- Noise due to industrial activity, machinery and generators can be a nuisance for the workers in the working area.</p>	<p>NEQS for ambient noise level.</p> <p>OSHA standards for covered working areas.</p>	<p>Activities generating high levels of noise should be minimized at the project site.</p> <p>If the noise level will exceed the permissible limits with reference to national and OSHA standards, following recommendations are suggested to take action against the high noise levels:</p> <ul style="list-style-type: none"> • Personal Protective Equipment PPEs including Ear muffs, Ear plugs and other noise abating equipment will be provided to the workers and other staff in case of noise at the project site. • Sound proof/ covered buildings should be built for placement of machinery i.e., generators (if any) to be installed at the project site to control the noise. • Proper tuning of machinery is recommended.
		<ul style="list-style-type: none"> • Rubber wounds/ vibration control platforms should be placed underneath the machinery/ generator to avoid the vibration. • Speed/ horn restriction should be imposed on all project related vehicles. • Maximum plantation is recommended within site area as it absorbs the noise waves and act as barrier. • Regular monitoring as per NEQS/ OSHA standards and record keeping is recommended.
<p>Discharge of wastewater-</p> <p>The discharge of untreated industrial effluents or municipal wastewater may be a negative impact of the subject project.</p>	<p>NEQS for Municipal and Liquid Industrial Effluents (mg/l, unless otherwise defined)</p>	<p>Industry has treatment facility to treat its wastewater before its final disposal.</p> <p>The process wastewater and domestic wastewater will be generated from the site which will be treated into existing wastewater treatment facility before disposal/ reuse.</p> <p>Treated wastewater will be used for plantation or can be used for sprinkling purpose on unpaved areas or simply drained out in nearby local drain present along with the northern boundary of the proposed site.</p> <p>Compliance of NEQS for Effluents should be ensured.</p> <p>Monitoring should be conducted as per NEQS and record should be maintained.</p>



<p>Health & Safety Issues-</p> <p>different operational activities at the project site may cause health and safety issues for workers if precautionary measures will not be adopted.</p>	<p>OSHA Standards</p>	<p>An HSE department is established to look after the worker and community's health, safety & environment related issues, headed by HSE officer.</p> <p>Proper training of workers and staff should be conducted to avoid the accidents.</p> <p>Use of PPEs should be implemented at workplace.</p> <p>First aid measures/ medical facility should be provided at the project site.</p> <p>Safe drinking water must be provided to workers and staff.</p> <p>Safety signs & boards should be placed during operational activities.</p> <p>Smoking or any drugs should be prohibited during working hours or performing work.</p> <p>Fire Fighting Arrangements/ Equipment should be installed and responsibility should be assigned for firefighting in emergency situation.</p> <p>SOPs for operational activities should be formulated and implemented.</p> <p>Regular review meetings should be arranged to assess the efficacy of EMP.</p>
<p>Soil Contamination— leaching from storage sites, Oil/chemical spills, solid waste and untreated wastewater disposal can contaminate the soil.</p>	<p>Presence of litter in soil.</p> <p>Untreated wastewater disposal.</p> <p>Presence of visible amount of hydrocarbon in soil.</p>	<p>Effective treatment of wastewater before disposal.</p> <p>Implementation of effective solid waste management plan.</p> <p>Oil/ chemicals/ raw material should be stored in properly constructed covered paved area to prevent leaching of contaminants in soil. i.e., in rainy seasons.</p> <p>Provision of spill prevention and control kits;</p> <p>Use of impermeable surfaces in workshops, and storage areas;</p>

<p>Solid waste management- If solid waste will not be managed properly, it may cause negative impacts.</p>	<p>Exposure to potentially hazardous waste;</p> <p>Generation of excessive waste;</p> <p>Recyclable waste and reusable waste is discarded;</p> <p>Littering;</p> <p>Improper disposal.</p>	<p>Solid waste from the sources should be disposed off properly by following SOPs.</p> <p>Proper solid waste management system is recommended for unit.</p> <p>Industrial ecology practices will be adopted wherever possible.</p> <p>3R's of sustainability are recommended to achieve.</p> <p>Separate waste bins should be placed at suitable places.</p>
<p>Socioeconomic impacts—Inter-cultural differences between the project staff from other areas and the local community may arise.</p> <p>Positive socioeconomic impacts due to increased infrastructure, employment opportunities and economic growth.</p>	<p>No community complaints</p> <p>Increased employment facilities in the area;</p> <p>Increased infrastructure</p> <p>CSR Activities</p>	<p>Training of the non-local project staff on local culture and norms;</p> <p>Avoidance of unnecessary interaction of local population with the non-local project staff. Employment opportunities should be provided to the local people as possible.</p> <p>Grievance redress/ conflict resolve committee should be formulated in order to resolve worker's and local's concerns.</p> <p>CSR activities for welfare of local community.</p>

PROPOSED ENVIRONMENTAL MONITORING:

To oversee the environmental performance of the project through its lifecycle enforcing the NEQS an Environmental Monitoring Program has been conducted which ensures effective surveillance of the environmental parameters at various stages of the project development and compliances with NEQS and legal obligations. It has been showed that all the parameters are within the range of prescribed limits of NEQS. Lab analysis results by EPA Certified lab are incorporated within this report as **Annexure-B**.

FLUE GASES:

Monitoring for stack emissions should be conducted as per EPA NEQS rules and standards and report should be submitted to concerned Environment department.

NOISE:

Monitoring for noise level should be conducted as per EPA NEQS rules and standards and report should be submitted to concerned Environment department.

WATER QUALITY:

Monitoring for wastewater & drinking water quality should be conducted as per EPA NEQS rules and standards and report should be submitted to concerned Environment department.

Recommendation: Environmental Monitoring data log book should be maintained by the project proponent.

CHAPTER – 1

INTRODUCTION

This section of the report provides an overview of the rationale of the project, objective of the project, why it is to be established, purpose of the study, an approach adopted to conduct single stage Environmental Impact Assessment (EIA) for the proposed project of Installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle lines over an area of 34 acre by M/s Coca Cola Beverages Limited located at Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan. The subject project is the installation of a new bottling facility in the existing facility over a total area of 34 acre within the existing unit. EIA study is being carried out for the project prior to start any activity in the area.

By M/s CCBPL MGF (Multan Green Field) new bottling facility is established on a total land area of 34 acre (137,593 m²), including construction zones, operational areas, and provision for future expansion with adequate open space for additional PET lines. The plant covered area totals 46,716 m², including production, utilities, and support facilities. The facility comprises 1 Glass Bottle (RGB) line with a production capacity of 60,000 bottles per hour (250 ml), PET Line 2 & 3 with 36,000 bottles per hour, and PET Line 4 with 45,000 bottles per hour capacities respectively, ensuring high-volume beverage production.

The site water requirements for 1 glass bottle line and 3 PET lines are met via tube wells with a combined capacity of 150 m³/hr, supplied through three turbines with capacities of 175, 75, and 175 m³/hr, respectively.

The facility operates on WAPDA power and is supported by a 3 MW solar power plant covering 20,000 sq. ft., ensuring sustainable energy supply. Backup power is provided by diesel generators of 2,250 kVA.

The site total wastewater discharge of 2,400 m³/day in compliance with the Industrial Estate Multan wastewater discharge agreement (Document attached). Environmental monitoring has been conducted, and reports for ambient air quality, noise levels, and wastewater analysis are attached. All EPA NOCs for construction and operational phases have been obtained, ensuring compliance with regulatory requirements.

Overall, the CCBPL MGF- MULTAN GREEN FIELD bottling facility is designed to support high-volume beverage production while ensuring sustainability, environmental compliance, and future expansion potential.

OVERVIEW OF THE COCA-COLA BEVERAGES PAKISTAN LIMITED:

CCI Pakistan produces, distributes and sells sparkling and still beverages of The Coca-Cola company in Pakistan. Having first started in 1996, Coca-Cola bottling operations in Pakistan came under the roof of Coca-Cola İçecek in 2008.

CCI Pakistan's product portfolio, which serves a consumer base of 208 million with 7 factories and 2,500 employees across Pakistan, includes Coca-Cola, Sprite, Fanta, Coke Zero, Sprite Zero, Dasani, Sprite Lemon Mint and Cappy Joosi.

CCI Pakistan having membership from Overseas Investors Chamber of Commerce and Industry (OICCI) and American Business Council of Pakistan (ABCPK) and secured certification for OHSAS 18001:2007 (Occupational Health and Safety), ISO 14001 EMS (Environment Management System), ISO 22000 FSMS (Food Safety Management System), ISO 9001 QMS (Quality Management System), ISO 50001 EnMS (Energy Management System).

PROJECT BENEFITS:

The project has been developed in response to a number of driving forces, including;

- Economic development
- Poverty reduction by employment
- Development of industrial infrastructure
- Improve living standard of the area
- Contribute into national GDP
- To provide better opportunities for the nearby vicinity including skilled and unskilled workers

PURPOSE OF THE STUDY/ REPORT:

The purpose of the report is to obtain the Environmental Approval for proposed beverages production unit from the concerned Environment Department for proper execution of the project.

The EIA report has been prepared keeping in view the following Regulations and Guidelines:

- Punjab Environmental Protection Act, 2012
- Punjab Environmental Regulation Rules, 2022
- National Environmental Quality Standards (Self-monitoring and reporting by the industry)
- National Environmental Policy, 2005
- Punjab EIA procedures
- Guidelines for public participation.
- Guidelines for sensitive and critical areas.
- Detailed sectoral guidelines.

The purpose of the EIA study is to identify the possible and beneficial environmental impacts of the proposed project and propose the practical mitigation measures to be implemented to minimize the negative impacts of the subject proposed project. The specific stages of EIA study are:

- Review of available documents
- Site survey
- Overview of different project alternatives
- Collection of baseline data related to physical, ecological, and social domain of environment
- Evaluation of project impacts on environment and social settings
- Public Consultation with the stakeholders
- Suggestion, mitigation measures of adverse impacts for the proposed project
- Preparation of Environmental Management Plan (EMP)
- Preparation EIA report

SCOPE OF THE STUDY:

The scope of study includes the preparation of single stage Environmental Impact Assessment (EIA) study of the proposed project for obtaining the environmental approval from the concerned environment department for the compliance of section 12 of Punjab Environment Protection Act, 2012 and to ensure compliance with the PEQS. The scope of study includes baseline survey of the proposed project, collect relevant data from primary and secondary sources, assess the impacts related to the subject project, suggest the mitigation measures to control the anticipated impacts, formulate the environmental monitoring program to check the environmental parameters at PEQS, prepare an Environmental Management plan to implement the

recommended mitigation measures, consultation with the stakeholder or nearby community to know their concerns regarding the subject project.

IDENTIFICATION OF THE PROJECT:

According to the Punjab Environment Protection Act, 2012 and its interpretation as per Punjab Environmental Regulation Rules, 2022 for filling, review and approval of environmental assessments, the project falls in “Category B (Manufacturing and Processing)”, sub- Category-04 “(food processing industries including beverages, milk, & dairy products with total cost more than 200 million)” of Schedule II, projects requiring Environmental Impact Assessment (EIA)”.

PROPONENT DETAIL:

Proponent Name	Ubaid-Ur-Rehman S/o Muhammad Irshad
Designation	Quantity assurance manager
CNIC #	38104-6974332-3
Postal address	House# 786, St#23, Muhallah Gulistan Colony, Mustafa Abad Lahore Cannt, District Lahore.

CNIC and other relevant documents are attached as **Annexure-A**.

DETAILS OF CONSULTANT:

A.S Enterprises is an independent company, who conducts EIA, EMP and other environmental investigations through its panel of environmental consultants, public participation practitioners and experienced environmental managers. The company has hired a third-party EPA certified environmental lab to check the baseline environmental data/ NEQS and lab analysis facility for Ambient air, Noise, Microbiological, Water, Wastewater priority parameters.

Contact: A.S. Enterprises.

Building No. 33, Fazlia Colony, Shadman, Main Ferozpur Road, Lahore.

Tel: 042-37503464, 0345-4646406, 0342-5801476

Email: a.s.ent@outlook.com

Table 5: Detail of EIA Team

Sr. No.	Designation	Name/Qualification	Experience
1.	Director/Lead Environmental Professional	Chaudhry Muhammad Sami Ullah M.Phil. Environmental Science	Nine Years' Experience as Environmentalist

		LLB from London	
2.	Senior Environmentalist/ Environmental Professional/ Author of the report	Basharat M.Phil. Environmental Sciences, University of the Punjab, Lahore	seven Years' Experience as Environmentalist
3.	Environmental professional	Hannan yousaf M.Phil. Environmental Sciences, University of the Punjab, Lahore	7 years' Experience as a Deputy Analyst
4.	Environmental professional	Muhammad Awais Environmental Engineer	8-year Experience as Environmentalist
5.	Field Officer/Coordination Officer	Abdul Haseeb Akhtar B.com	8 years Field Experience

NATURE, SIZE AND LOCATION OF THE PROPOSED PROJECT:

The subject project is the proposed installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle lines over an area of 34 acre by M/S Coca Cola Beverages Pvt. Many industrial units are already working in the vicinity of the proposed site area. In the process, In the process, Ingredients: Carbonated Water, Sugar (sucrose or high-fructose corn syrup (HFCS), Caffein, Phosphoric acid, Caramel color, Natural flavorings. The mixture of sugar, flavorings, essences, and water is called syrup. Syrup clarification will retain particles and crystals from your syrup. Water accounts for the largest portion of your beverage and needs to be safe. The pre filtration phase plays a key role in your process -- protecting the final filter, ensuring the long life and good economics of your filter train, and reducing the initial bioburden. Final filtration removes microorganisms such as bacteria, mold, yeast, and protozoa to achieve the required contaminant-free water quality.

Carbonation is the step of adding carbon dioxide to a drink. The CO₂ that you inject into your beverage must be free of particles and microorganisms. Non-carbonated drinks do not include the carbonization step. The air used in the bottle blower to turn the pre-forms into the final PET bottle must be free of contaminants; its filtration ensures a bottle with low bioburden is produced. Bottle blowing can be done in any beverage process using PET bottles.

Just as the air used in the bottle blower must be free of contaminants, the water used to rinse the

bottles must also be free of contaminants; its filtration ensures good quality of the bottles prior to filling. A safe and reliable container is essential to maintain the quality and shelf life of your drink. Gas filtration can also be used during the filling process of carbonated drinks. In order for the filling to be possible, the filler bowl must be pressurized and the gas used must be microbiologically stable. The Production Capacity of the production line will be 1 RGB line 60000 bph of 250 ml & 2 & 3 PET lines 36000 bph and 4 PET bottle line 45,000 bph of 1.5liters each. Before commencement of the subject project, it is necessary to obtain the NOC from concerned departments. So, EIA study has been carried out for the project prior to start activity in the area and to obtain the Environmental Approval from the Concerned Environment Department.

The subject project involves the installation of machinery in area with very little vegetation presence. The proposed total area for the project will be 34 Acre. Production capacity of the proposed unit will be 1 Glass bottle line 60000 bph of 250 ml & 2 & 3 PET lines 36000 bph and 4 PET bottle line 45,000 bph.

LOCATION OF THE PROJECT AREA:

The Project site is located at Coca Cola Beverages Pvt. Limited, Pakistan, Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan.

Project co-ordinates are as follow:

North: Industrial Estate Phase-3 Road, Link to Southern Bypass Link Road

East: Industrial Estate Phase-3 Road

South: Industrial Estate Phase-3 Road

West: Industrial Estate Phase-3 Road, Link to Southern Bypass Link Road

Proposed site's Google Earth maps are attached as **Annexure-F**.

Proposed Site	30° 7' 8.16" N	71° 22' 25.14" E
----------------------	-----------------------	-------------------------



Figure 4: CCBPL (Multan Green Field) plant area

METHODOLOGY FOR CONDUCTING EIA STUDY:

The methodology adopted to carry out the single stage EIA study of the proposed project was as follow;

- A) Orientation
- B) Planning of Data Collection
- C) Data Collection
 - a. Site Reconnaissance
 - b. Analysis of Maps and Plots
 - c. Literature Review
 - d. Desktop Research
 - e. Discussions & meetings with stakeholders
 - f. Public Consultations
 - g. Field Studies

ENVIRONMENTAL BASELINE SURVEY OF THE PROJECT AREA:

To conduct the environmental base line study of the project, a multidisciplinary team was involved comprising engineers, environmentalist and sociologist. Prior to start of the base line

environmental survey, a checklist was developed. The major components which were considered for physical, ecological and social environment are discussed in the subsequent paragraphs.

Physical Environment

For collecting the information on the physical environment, following main parameters were considered:

- a) Land Resources
- b) Water Resources
- c) Climate, Air and Noise Quality
- d) Other Infrastructure

Biological Environment

For biological environment study, the following parameters were covered:

- e) Flora
- f) Fauna
- g) Endangered Species (both flora & fauna)

Social and cultural study

To collect the social base line study of the project area, social survey was conducted to accomplish the following specific objectives:

- h) To identify the potential project affected persons (if any) in the project demarcated area
- i) To identify poor and vulnerable groups and strategies to ensure that such groups will get benefit from the project
- j) To identify the effects on available common resources of the community due to implementation of the project

SCREENING OF POTENTIAL ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES:

After thorough review of the field notes, data collection, extent of proposed project activities and detailed discussion with design team, the potential impacts of the project were assessed and safety measures were proposed to mitigate the negative impacts and to enhance the positive impacts. The potential impacts and mitigation measures were assessed covering the following parameters:

- Environmental impacts due to project location
- Environmental impacts related with design

- Environmental impacts associated with the construction
- Environmental impacts resulting from the project operation.

PREPARATION OF ENVIRONMENTAL MONITORING PROGRAM AND INSTITUTIONAL REQUIREMENT:

An Environmental Monitoring Program (EMP) depicting the mitigation measures and monitoring plan was also developed. Institutional capacity building of project was also reviewed and enhancement was proposed for effective implementation of the EMP. EMP has been developed for effective implementation of the recommended mitigation measures. The EMP included controls to minimize the identified impacts, and monitoring program to monitor residual impacts, if any, during the operation. The EMP also lays down procedures to be followed during the operation of the project and identifies roles and responsibilities for all concerned personnel during the project, including reporting in operational phase.

REPORTING:

The Environmental Impact Assessment Study presents the findings and compiles all the information into one document that includes:

- Introduction
- Methodology for undertaking the EIA study.
- Description of the project.
- Information relating to the background environmental conditions in the area.
- Identification of environmental impacts.
- Evaluation of the significance of environmental impacts.
- Recommended mitigation measures and monitoring requirements.
- Development of Environmental Management Plan (EMP).
- Environmental Monitoring Program
- Participation of Stake holders
- Conclusion & Recommendation

SUBMISSION AND REVIEW OF DRAFT:

A.S Enterprises has given one copy of the draft report to the proponent for review. The objective was to give the client an opportunity to review the findings of the study. Ambiguities that the client had regarding the study were clarified, and suggestions/recommendations voiced for inclusion were added in the final report.

FINAL REPORT:

A.S Enterprises reviewed the feedback obtained from the project proponents and all their comments were incorporated as changed in the draft report. One hard and one soft copy of the final report were submitted to proponent of this Project.

STRUCTURE OF THE REPORT:

The EIA report is divided into executive summary & 7 chapters as:

Executive Summary

Chapter 1: Covers introduction to proposed project Chapter 2:

Presents Project Description

Chapter 3: Describes the existing Environmental Baseline conditions of the study area Chapter

4: Exhibits the Impacts Assessment and their Mitigation Measures

Chapter 5: Outlines the EMP to implement the suggested mitigation measures Chapter 6:

Explains the Stakeholders Participation

Chapter 7: Gives the Conclusion and Recommendations Reference

Appendices/Annexure:

Annexure-A: Proponent CNIC

Annexure-B: Lab Reports

Annexure-C: Process Flow Chart

Annexure-D: Raw Material Details

Annexure-E: Machinery Details

Annexure-F: Google Earth Maps

Annexure-G: Layout Plan

Annexure-H: Land Documents

Annexure-I: Relevant Approvals

Annexure-J: Solid Waste Agreement

CHAPTER - 2

DESCRIPTION OF PROJECT

This chapter characterizes the project detail, type and category of project, location and site layout of the project, land use on the site, road access, vegetation feature of the site, cost and magnitude of operation, schedule of implementation, description of project (process flow chart/ steps), restoration and rehabilitation plans, government approvals.

TYPE AND CATEGORY OF PROJECT:

According to the Punjab Environment Protection Act, 2012 and its interpretation as per Punjab Environmental Regulation Rules, 2022 for filling, review and approval of environmental assessments, the project falls in the “**Category B (Manufacturing and Processing)**”, **sub-Category-04 “food processing industries including beverages, milk, & dairy products with total cost more than 200 million” of Schedule II, projects requiring Environmental Impact Assessment (EIA)**”.

PROJECT OVERVIEW:

Table 6: Project overview

Project name	Installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle lines over an area of 34 acre.
Proponent of project	Ubaid-Ur-Rehman S/o Muhammad Irshad
Nature of project	Already Constructed of beverages production unit
Location of project	The Project site is located at Coca Cola Beverages Pvt. Limited Pakistan, Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan
Total area of project	34 Acre

WHAT IS BEVERAGE INDUSTRY?

The beverage industry (also known as the drink industry) manufactures drinks and ready-to-drink products. Examples are bottled water, soft drinks, energy drinks, milk products, coffee and tea-based products, nutritional beverages, and alcohol.

The beverage industry is traditionally a market with specific high demands regarding hygiene and its related technologies.

Exquisite hygiene is needed to maintain the end product's high-quality standards and shelf life,

whether it is mineral/drinking water, lemonade, fruit juice, beer, wine, or (sparkling) wine. Beverage production varies mainly depending on the product being made. The beverage industry consists of two major categories:

- Alcoholic beverage industry: The alcoholic beverage industry includes distilled spirits, (sparkling) wine, cider, and brewing.
- Non-alcoholic beverage industry: The non-alcoholic beverage industry is comprised of soft drink (or soft beverage industry) or syrup manufacture; soft drink and water bottling and canning), fruit juices bottling, canning, and boxing, the coffee industry, and the tea industry.

Subject proposed beverages unit is soft beverage industry for carbonated drinks.

MARKET INSIGHT:

The Pakistan beverages market size was valued at 7.92 billion liters (BL) in Q4 2022. The Pakistan beverages market research report, covering soft drinks, dairy drinks, hot drinks, and alcoholic drinks is an essential tool for keeping up with the latest industry performance and developments on a quarterly basis.

The key categories in the Pakistan beverages market are soft drinks, hot drinks, dairy and soy drinks and milk alternatives, and alcoholic drinks. Hot drinks dominated the beverages market in Q4 2022.

Soft drinks: They can be further segmented into packaged water, flavored water, carbonates, juice, nectars, still drinks, squash/syrups, fruit powders, iced/RTD coffee drinks, sports drinks, energy drinks, and bulk/HOD water. Within the category, the carbonates segment had the highest volume in Q4 2022.

MANUFACTURING PROCESS:

Systems for the production of soft drinks generally consist of a storage tank (a silo for the storage of the raw materials such as sugar, coloring and flavoring agents), a water treatment unit, a mixer, a pasteurizer a system for the adding of carbon dioxide and filling line. All systems can be cleaned automatically, by means of CIP (Cleaning in Place).

RAW MATERIALS:

Soft drinks mainly consist of water. Due to the possibility of a chemical reaction between the calcium and other minerals in the water, and the coloring and flavoring agents, it may be necessary to soften and filter the water. It is important that the bacterial count of the water is

sufficiently low.

- Drinking water is not free from micro-organisms. By law, the drinking water provided by the water company, must meet the 10 cfu/ml (measured at 22°C) at the supply point of the water company. The absence of organic carbon (clean water) prevents these microorganisms from growing further. As soon as sugar is added, microbial growth is triggered.
- Sugar can be supplied in solid or liquid, in syrup form. The flavor of the product is determined by its sweet and sour ratio. For this reason, in addition to sugar, often an acid is added to the product. Next to citric acid, in the production of cola also phosphoric acid may be used.
- Sugar syrup is microbially stable at 70°Brix. This means that the sugar content is so high that any microorganisms present cannot withdraw any water from the syrup in order to grow. In fact, the water from the microorganisms themselves is extracted and they dehydrate. A large number of microorganism species do not survive at high concentrations of sugar.
- However, condensation falling on the sugar syrup allows spores that are present there to grow into living and dividing microorganisms. If a sugar syrup tank is not isolated well, substantial amounts of mildew are found on the surface of the tank.

List of main raw materials along with their sources is attached as **Annexure-D**.

SYRUP PRODUCTION:

The basis of soft drinks, the syrup, is made up of water, sugar, acid, coloring and flavoring agents. This syrup is prepared by dissolving these ingredients into water to 65°Brix.

Sugar can be dissolved in two ways:

- *Warm*: dissolving at 70 to 80°C, filtering and cooling to 15°C (Proposed)
- *Cold*: dissolving by intensive stirring in cold water, filtering, and pasteurizing.

The syrup must be given time to settle, so that any air whipped in can escape. This can also be done by using a vacuum deaerator: a rotating disc or plate over which the liquid (syrup) flows, while the surrounding space is continuously maintained under vacuum.

PASTEURIZATION:

Syrup with fruit juices or with a pH of 3 or higher must be pasteurized at 80°C for 20 seconds before impregnation. This temperature is sufficient to kill off all living, vegetative cells. Only the spores, a survival mode for a number of species of microorganisms, may still be left behind. As long as the pH is lower than 4.6, they cannot develop into vegetative cells, which can grow further. If the pH turns out to be higher than 4.6, then the product must be sterilized or has a limited shelf life under refrigerated conditions.

IMPREGNATION:

Impregnation is the process of mixing water with carbon dioxide. The solubility of carbon dioxide gas in water depends on the pressure and the temperature of the water. The colder the water, the higher the solubility.

Carbon dioxide, however, is more soluble in air than in water. A balance will occur between the carbonic acid in the water and the carbon dioxide in the air. In a vacuum boiler the water is de-aerated as much as possible. After that the water is impregnated with carbon dioxide under high-pressure.

Soft drinks will contain carbon dioxide. The carbon dioxide has three functions:

- It provides a cooling sensation: through the evaporation of the gas heat is extracted from the tongue.
- It lowers the degree of acidity (pH 2.2 - 3.6), slowing down the growth of microorganism. However, other preservatives may be added in addition.
- It poisons the air that is possibly present above the soft drink, making it impossible for fungi to grow, due to the lack of oxygen.

BOTTLING PROCESS

The majority of soft drinks are filled under pressure into bottles (glass or PET) or cans, achieving a maximum CO₂-content of 8 grams. After filling, the bottles are immediately closed off with a (sterile) crown cap or a cap with plastic layer. In order to prevent airborne infections, often sterile air is blown over the bottle opening. Sometimes block packaging is

applied.

The final step of the bottling process is labeling the packages with a labeling machine.

FOOD SAFETY & HYGIENIC DESIGN:

The preparation area must at least comply with GMP: being visibly clean before use, and no long-term presence of water remaining after cleaning.

The syrup tank is seldom or never cleaned because of the supposed shelf life. As long as there is no mold growth, this is acceptable. The top of the tank - including manhole and air vent - must be heated and isolated for that purpose.

Pasteurization is the critical step in the production process to kill off any microorganisms. It is important that this part of the production process is well designed - according to EHEDG-guideline no.1. In order to pasteurize, often a plate heat exchanger is used. It is known that these exchangers - even when new - will start to leak, but even more likely after time. Regular inspection is key in order to make sure the highly deformed thin plates of the plate heat exchanger do not suffer from stress and crack corrosion.

After pasteurization, the whole line, including filling machine(s), must be hygienically designed: meaning cleanable to microbial level. Unless the product is pasteurized after filling, then GMP is sufficient. However, even this is not a license to be less careful during the pre-processing phase or cleaning the processing equipment less frequently or not fully, or extending the production run.

For detailed process description "Process Flow Chart" is attached as Annexure-C.

EMISSIONS AND CONTROLS:

Proposed Soft drinks/ beverage industry have significant sources of air emissions in the process i.e., LNG based boiler for steam generation used for pasteurization & final syrup preparation, project vehicles and diesel fired stand by generators used only during load shedding.

M/s CCBPL has installed a 3 MW solar system to reduce its dependence on fossil fuel for its operations along with an effective environmental management system/ monitoring plan/ maintenance schedule to regularly inspect the machinery/ vehicle fitness and to assess the emission value of the sources.

Monitoring record for existing facility indicates that system is in compliance and same standard operating procedures will be adopted for proposed project. Monitoring record for recent months is attached as **Annexure-B**.

ALTERNATIVE CONSIDERATION:

Location alternatives: as the proposed project is existing beverages unit established in consideration of the located at Coca Cola Beverages Pvt. Limited Pakistan, Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan, is suitable for the proposed project.

Modified Installation Technology Alternatives: The proposed development will be installed using modern, locally and internationally accepted technology and materials to achieve public health, safety, security and environmental aesthetic requirements. Equipment that saves energy will be given first priority without compromising on cost or availability factors.

Technology Alternatives: There is local machinery available that is not environment friendly and also not brand new. But management of M/s CCBPL decided to import latest, energy efficient and environment friendly technology with adequate pollution control equipment and built-in safety features.

REASONS OF SELECTION OF SUBJECT PROJECT SITE:

Following are the reasons for selection of subject project site:

- Availability of access road linked to Motorway through Southern Bypass Interchange.
- Communication facilities
- Availability of electricity
- Existing established infrastructure
- Less plantation/ no tree cutting issue involved
- No fauna species at site
- Convenient plot layout having adequate space for extension
- Industrial activity already going on in the area
- No protected species in the area

ROAD ACCESS:

Area is easily accessible by a Southern Bypass Link Road to N-70 to Multan Road to M-5, Motorway Toll Plaza Interchange.

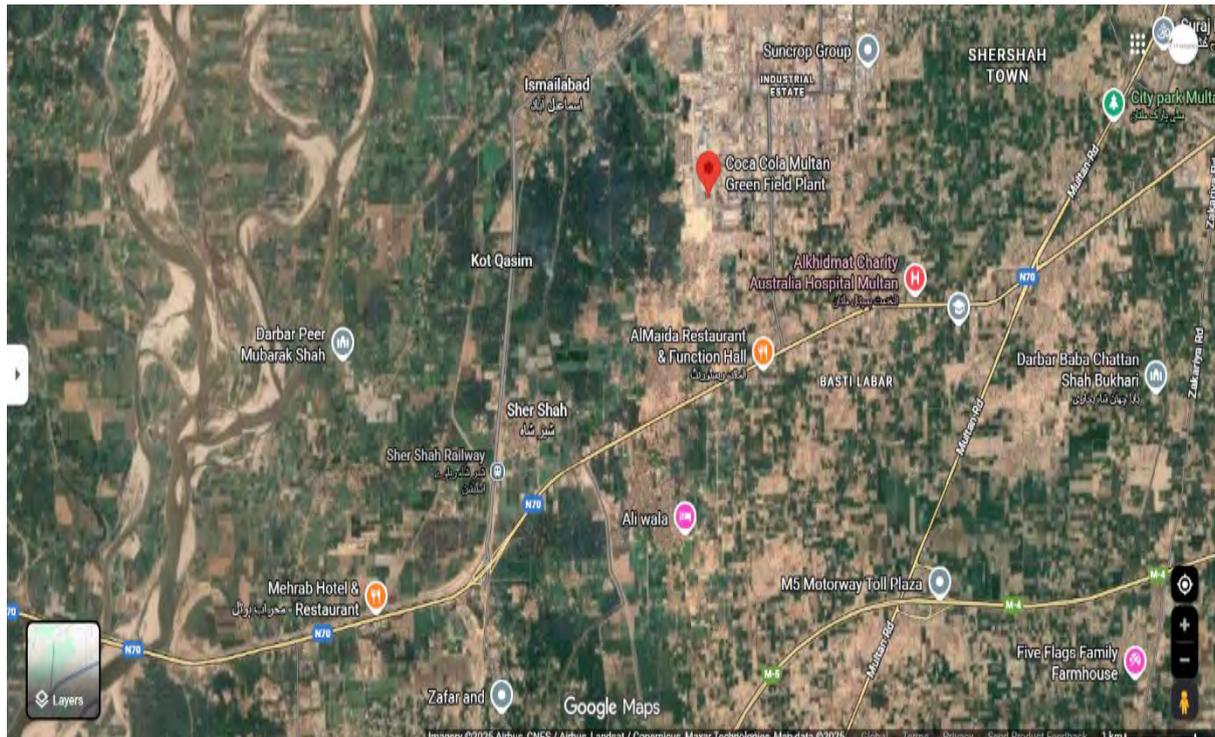


Figure 5: Access roads

LAND USE AT SITE:

Site proposed for the subject project is at existing operational beverages industry having covered area of 34 Acre which have adequate free space for installation of project.

VEGETATION FEATURES OF THE PROJECT:

No issue of trees cutting and clearing of vegetation involves as proposed project beverage production line already established hence, M/s CCBPL intends to restore the site area by planting native trees in possible systemic scientific way.

COST AND MAGNITUDE OF THE PROJECT:

Total estimated cost for proposed project is 18 billion PKR which includes cost of machinery and its installation etc.

SCHEDULE OF IMPLEMENTATION:

The project is acquiring machinery and its installation, which is expected to be completed within 2-4 months from the issued date of environmental approval.

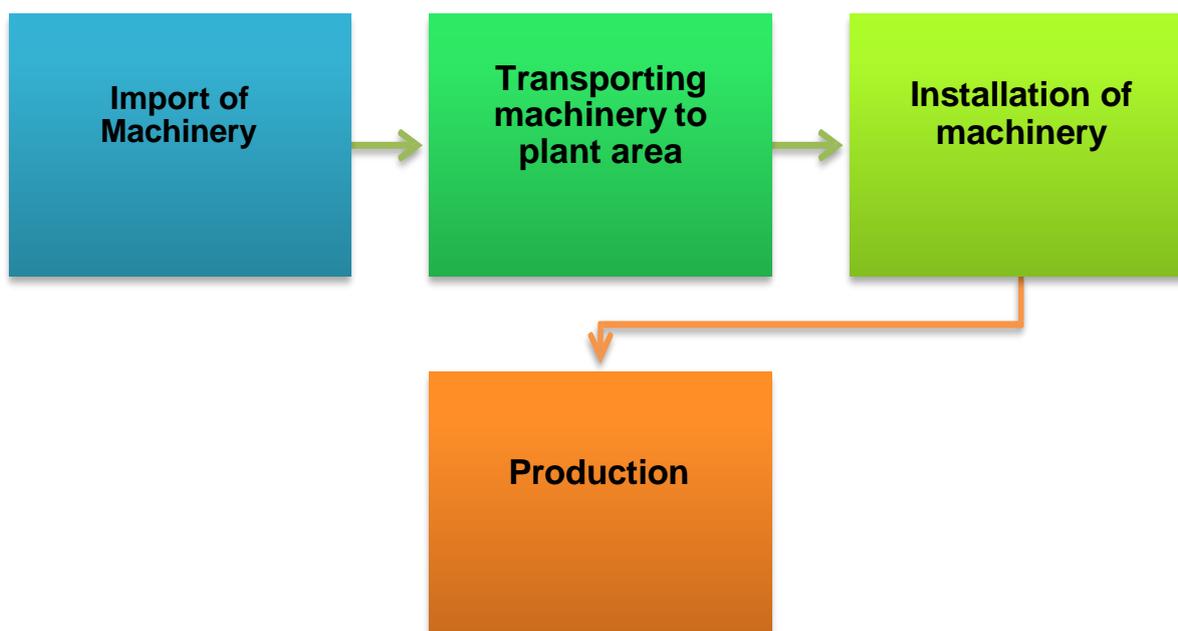


Figure 6: Schedule of implementation

MACHINERY REQUIREMENTS:

Complete machinery detail for proposed project is attached as **Annexure-E**.

STAFF ALLOCATION:

Total number of labor force is:

During Installation/ Development	35-50 persons
During Operation	80-100 persons

BRIEF DESCRIPTION OF THE PROJECT:

The subject project is proposed installation of beverages production line having production capacity 1 glass bottle line 60,000 bhr of 250 ml & 2 & 3 PET bottle lines 36000 bhr each and 4 PET bottle line 45,000 bhr, at existing operational Coca Cola Beverages Pakistan Limited (Multan Green Field Plant) near Multan Industrial Estate. Basic raw materials for the Production Line are enlisted in the document attached as **Annexure-D**. In the process, Ingredients: Sugar acquired from local market and concentrate from Coca-Cola Company will be mixed in mixer machine consuming RO treated water. The mixture is called syrup. Water accounts for the largest portion of your beverage and needs to be safe. Carbonation is the step of adding carbon dioxide to a drink. The CO₂ that you inject into your beverage must be free of particles and microorganisms. Non-carbonated drinks do not include the carbonization step. The air used in

the bottle blower to turn the pre-forms into the final Glass & PET bottle must be free of contaminants; its filtration ensures a bottle with low bioburden is produced. Just as the air used in the bottle blower must be free of contaminants, the water used to rinse the bottles must also be free of contaminants; its filtration ensures good quality of the bottles prior to filling. A safe and reliable container is essential to maintain the quality and shelf life of your drink. Gas filtration can also be used during the filling process of carbonated drinks. In order for the filling to be possible, the filler bowl must be pressurized and the gas used must be microbiologically stable. M/s CCBPL ensures safety & quality of product as per international standards and has also acquired licenses for its facility from provincial and national authorities i.e., *Punjab Food Safety & Halal Food Authority* and *Pakistan Standards & Quality Control Authority (PSQCA)*, Copies of the acquired licenses.

The subject project involves the, installation of machinery in area owned by Coca Cola Beverages Limited, Land documents are attached as **Annexure-H**. The total area of the unit is 34 Acre area, having adequate space for future extensions. The project of Installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle and no significant construction activity will be involved. Total estimated project cost will be 18 billion PKR.

Table 7: Project's Detail

Name of the proposed project	Proposed Installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle lines over an area of 34 acre by M/s Coca Cola Beverages Pakistan Limited (CCBPL).
Purpose of the project	Production capacity increase in said area to fulfill demand.
PROCESS DETAILS	
Manufacturing Process	Beverages/ soft drinks production
Raw Material	Sugar, CO ₂ , Concentrate
Finished Products	Coca-Cola, Coke Zero, Sprite, Sprite Mint, Sprite Zero, Fanta, Roar, Predator
Capacity	1 RGB 60,000 bph of 250 ml & 2 & 3 PET lines having capacities 36,000 Bottles/hr and PET line 4 having capacity 45,000 of 1.5 liters each

Description of process	In the process, Ingredients: Sugar acquired from local market and concentrate from Coca-Cola Company will be mixed in mixer machine consuming RO treated water. The mixture is called syrup. Water accounts for the largest portion of your beverage and needs to be safe. Carbonation is the step of adding carbon dioxide to a drink. Non-carbonated drinks do not include the carbonization step. The air used in the bottle blower to turn the pre-forms into the final PET bottle followed by filling, labelling, wrapping and dispatch.
LAND/ AREA DETAILS	
Total Area of the existing unit	34 Acre
Covered area of Plant	46,716 m ²
Area for Solar Installation	20,000 sft
STATUS AND LOCATION	
Location of the proposed site	Coca Cola Beverages Pvt. Limited Pakistan, Industrial Phase-II, Plots No 141-148 & 163-170 MIE Multan.
Current Status of the site area	Already Constructed/Established operational beverages production unit by M/s CCBPL
Current Status of the surrounding areas	Many industrial units are already working in the vicinity of the subject site area as it is located near Industrial Phase-II, MIE Multan.
WATER REQUIREMENT	
Water consumption for the project	Approx. 150 m ³ /hr water is required for the operation of the production Lines and approximately 2500m ³ /day water will be used for the operation of proposed production Facility. For firefighting purpose, water tank available 1000m ³ . Water will also be used for domestic purpose which will be treated through septic tanks before disposal.
Ways of extraction	Motor pump/ Turbine
Source of Water consumption	Underground (for process), Reutilization (for plantation/ domestic activities).

Amount of waste water	<p>Approx. 300m³/day wastewater generating from the existing unit.</p> <p>Reutilization of RO rejected water will be ensured to maximum possible level by using it for non- process consumptions i.e., plantation, washing, sprinkling and other domestic activities.</p> <p>For domestic activities, 60-70% of total water consumption which can also be reused for plantation after effective treatment through septic system.</p>
Source of waste water	Operation and Domestic activities.
Mode of treatment	The wastewater treatment plant has been developed in the existing facility having capacity of 30m ³ /hr. After the treatment of wastewater, the water will be drain out in the nearby drain.
SOLID WASTE	
Source of solid waste generation	Operation and Domestic sources i.e., Raw material packaging bags/ containers/ iron & wood scrap/ paper/ cardboard and domestic trash.
Mode of disposal	Will be handed over to contractors
MANPOWER	
Labor Force	About 35-50 persons during Installation
Labor Force	About 80-100 persons during Operations
POWER REQUIREMENTS	
Source of power	<p>Power requirements at the project site will be fulfilled by WAPDA/Solar power plant (3MW)/ standby power house.</p> <p>Existing power requirement of the facility is 5.5 MW which is fulfilled by national grid 2.5 MW & Solar system (3 MW).</p> <p>Standby generators only utilized in case of load shedding; Diesel fired generators of 2250KVA are installed at facility (stack emission report is attached).</p>

SAFETY TRAININGS:

Workers and all the staff will be provided with proper training about the work and safety

practices.

PERSONAL PROTECTIVE EQUIPMENT (PPES):

Workers will be provided with PPEs as Masks, Gloves, Helmets, Safety shoes, Ear plugs, Ear muffs & other personal protective equipment during the working hours to insure personnel health & safety. Implementation of PPEs will be ensured by the proponent for the proposed project.

RISK ASSESSMENT AND DISASTER MANAGEMENT PLAN:

Survey was conducted for the proposed subject project and according to the studies and local people of the area the subject area is not natural disaster prone i.e., flooding.

OCCUPATIONAL EXPOSURE MITIGATION PLANNING:

To control any occupational health and safety impact a detailed planning for mitigation measures has been done in the design stage of the project. Apart from the occupational exposure mitigation plans for various activities and work areas of hazards i.e., firefighting arrangements, following existing administrative control measures will be extended to and followed. All employees will be trained for EHS policies and practices.

The management will develop environmental management plan to implement the mitigation measures further. The plan will include institutional measures such as occupational health & safety planning and environmental compliance monitoring for environmental parameters.

USE OF NARCOTICS/ SMOKING:

Drugs and narcotics are strictly prohibited during working hours in working area. Smoking will be only allowed in rest timings at properly isolated places.

SECURITY:

The site will be fenced properly especially during installation to avoid any unwanted entrance. Safety signs & boards should be placed at site during installation and operational activity.

POWER DEMAND:

Existing plant's operations require approx. 5.5 MW of energy which will be fulfilled by National grid (inhouse Grid Station)/ Power house generators (standby) and 3 MW solar installation.

WATER DEMAND:

Approx. 1500m³/day wastewater generating from the existing unit. Reutilization of RO rejected water will be ensured to maximum possible level by using it for non-process consumptions i.e., plantation, washing, sprinkling and other domestic activities.

For domestic activities, 60-70% of total water consumption which can also be reused for plantation after effective treatment through septic system.

GOVERNMENT APPROVALS:

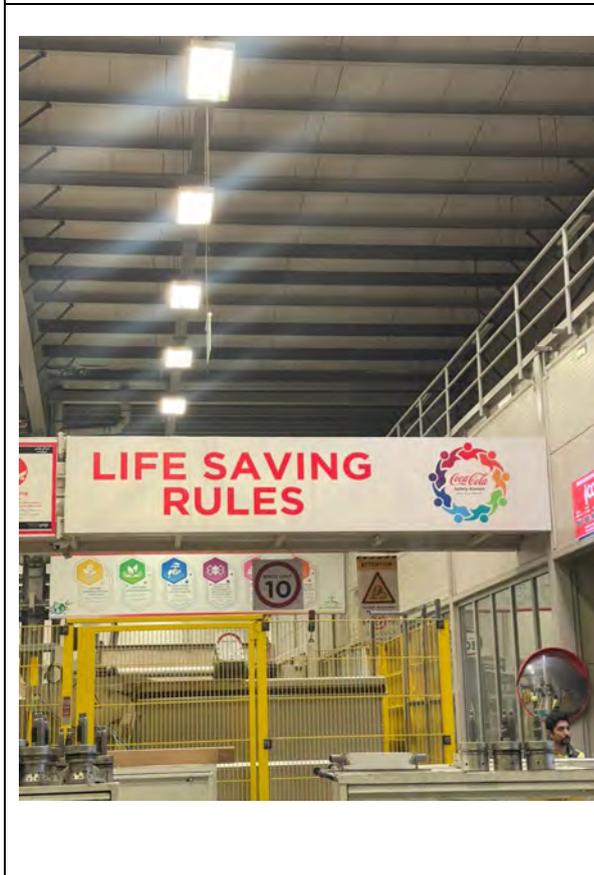
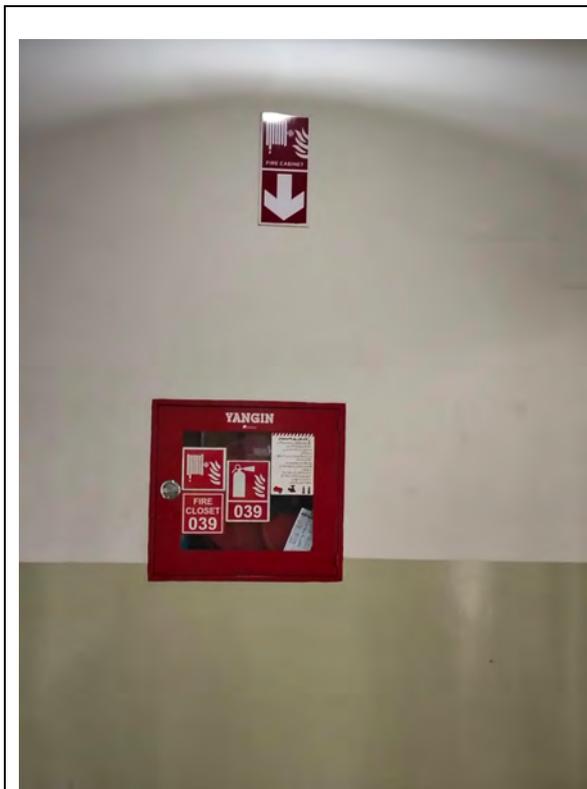
All relevant government approvals will be obtained by the project proponent and will be submitted to EPA at the time of operation. Relevant acquired approvals are attached as **Annexure-K**.

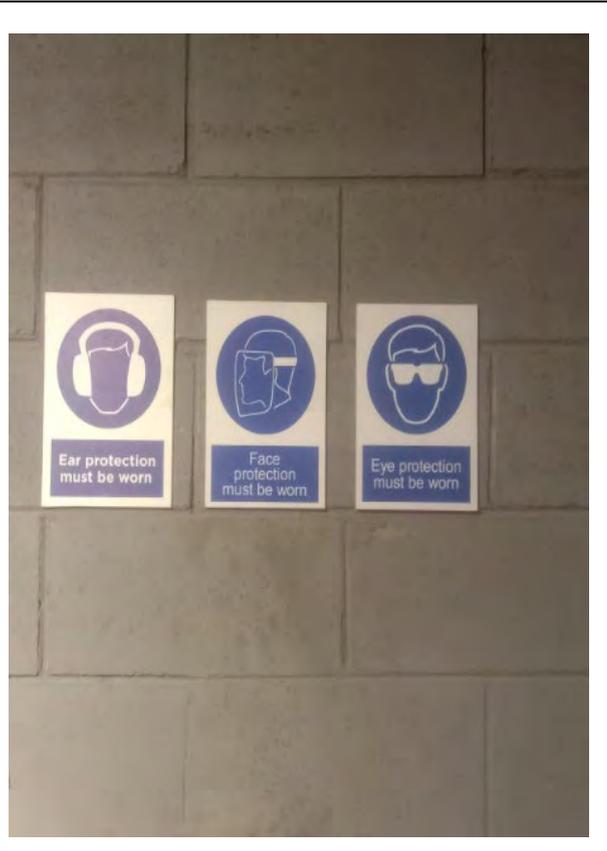
RESTORATION & REHABILITATION PLAN:

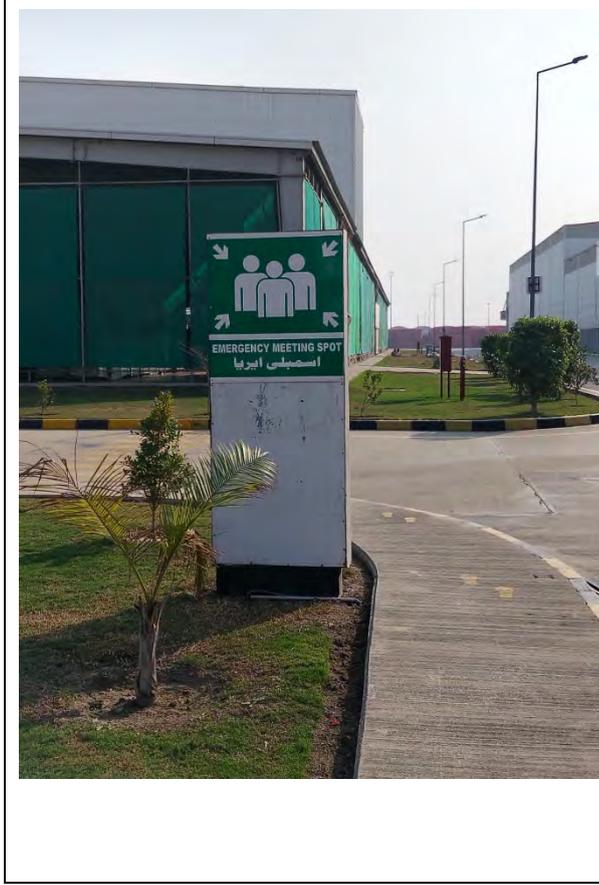
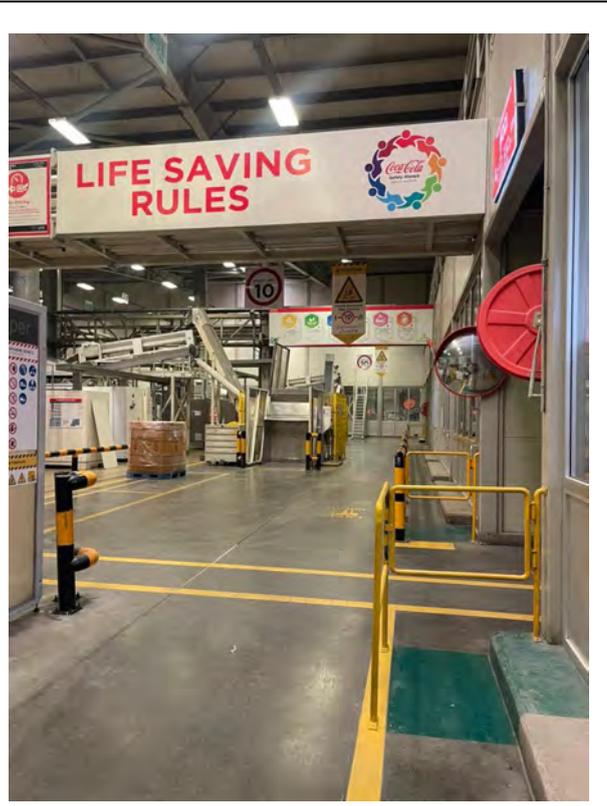
All possible precautions are taken to prevent an untoward incident in terms of life and property losses. The waste materials will possibly be reused and recycled. All emission sources will be monitored and machinery will be maintained regularly.

On completion of the project, the debris will be removed from the site in order to maintain aesthetics of the project. All measures are undertaken for ensuring occupational safety, security and clean environment in the project area. Ornamental trees and flower plants will be planted inside/ surroundings of the unit premises to restore the land.

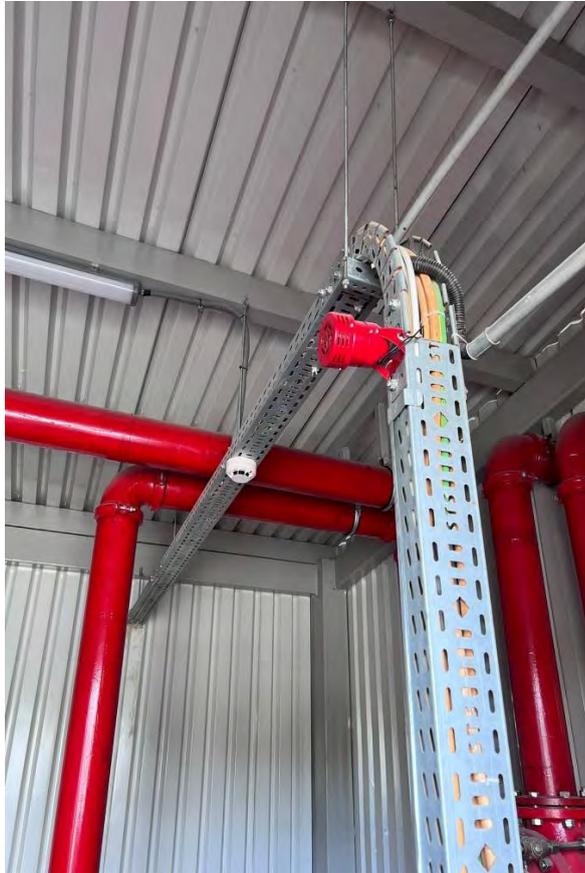
PICTORIAL VIEW OF MITIGATION/ SAFETY MEASURES TAKEN AT EXISTING PLANT AREA:

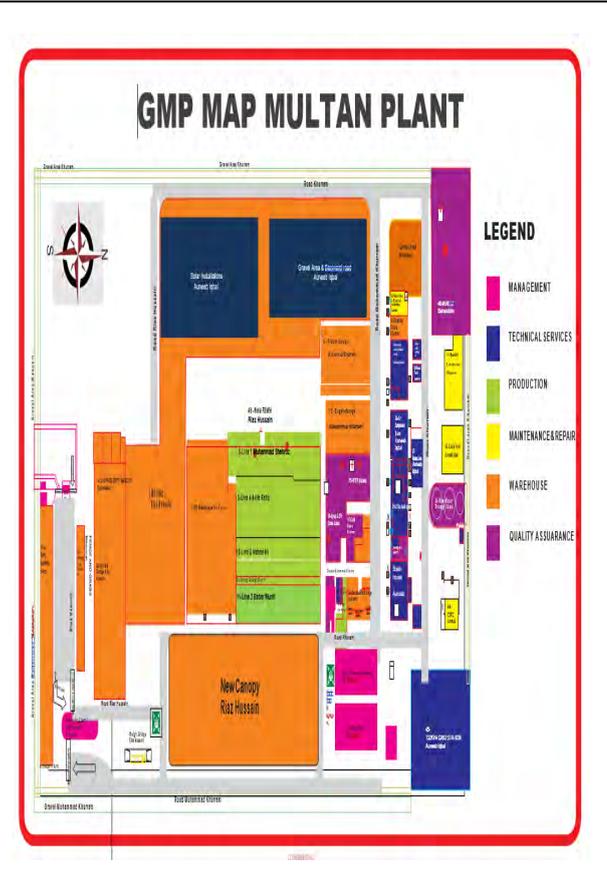
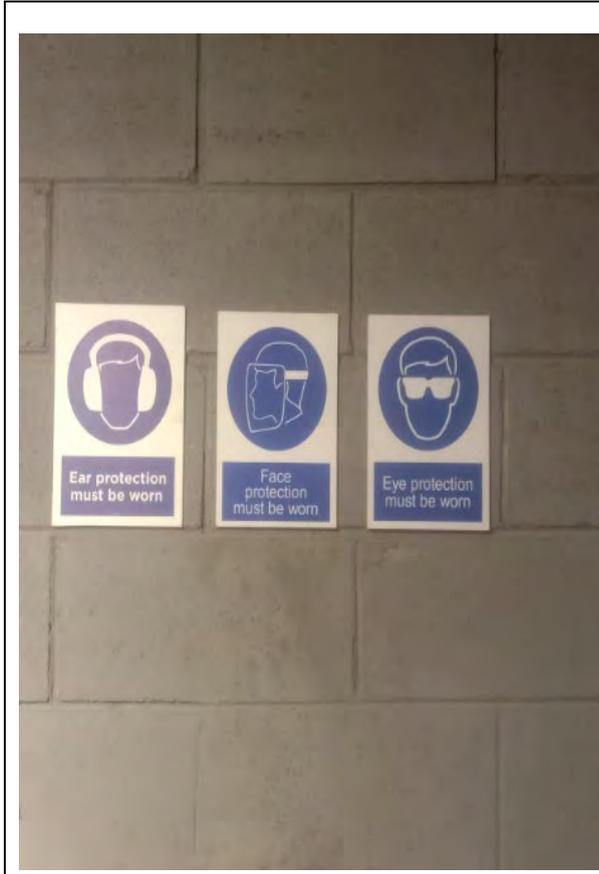












CHAPTER - 3

DESCRIPTION OF ENVIRONMENT

This chapter gives an overview of the prevailing environmental and social baseline conditions of Multan city. The information has been compiled from primary and secondary resources. This chapter also refers to the theoretical analysis of the methodology adopted for collection of baseline data. The underlying principles and practices adopted in this regard are also discussed.

BASELINE CONDITIONS:

Baseline conditions refer to the existing physical, environmental and socio-economic status of the project area. The baseline information and indigenous knowledge is required for scoping potential environmental issues associated with the implementation of the project. On the basis of baseline information, the project interventions are assessed and mitigation measures are proposed. The baseline information also helps to indicate the specific issues to be monitored during construction and operational phase of the project.

The baseline data (physical, biological and socio-economic parameters) related to the project area is described below. Information provided is based on primary and secondary data collected by site visits and desk studies respectively.

PHYSICAL ENVIRONMENT

TOPOGRAPHY

Multan District lies on the Indus Alluvial Plains, characterized by broad, flat terrain formed by centuries of river deposition. The average elevation of the city is around 125 meters above mean sea level, with local variations generally ranging between 104–151 meters. The land surface is mostly level to very gently sloping, and natural gradients seldom exceed 1%, resulting in slow drainage and the formation of shallow depressions after rainfall.

The city and surrounding areas are composed of deep alluvial soils deposited by the River Chenab and its distributaries. These soils include sandy loam, loam, and silty clay, providing fertile agricultural land but sometimes requiring geotechnical strengthening for heavy construction. The absence of rocky outcrops in Multan's central region and the dominance of fine alluvium indicates a geologically young and highly erodible landscape.

Multan's topography is strongly influenced by the Chenab River, located on the western side of the district. The floodplain of the Chenab dominates the western and northwestern edges, where elevation drops slightly and the terrain becomes more moisture-retentive. Due to the flat

nature of the land, the district is susceptible to localized flooding, especially during high monsoon flows or when the river exceeds its banks. Irrigation canals, distributaries, and drainage channels form an extensive man-made network across the plain and play a major role in controlling surface water movement.

Groundwater occurs in unconsolidated alluvial aquifers, with depth varying considerably depending on proximity to irrigation canals and the river. Because groundwater levels respond to seasonal canal flows, the local hydro-topographic characteristics must be included in foundations, drainage planning, and wastewater design.

From a regional perspective, Multan lies far from major mountain ranges. The Sulaiman Range is located approximately 80–100 km southwest, but its influence on the city’s direct topography is minimal. The entire district therefore maintains a uniform low-relief profile, which supports agriculture but requires engineered drainage systems in urban zones.

Elevation profile of Multan city is given below in figures.



Figure 7: Geographical Map of Multan

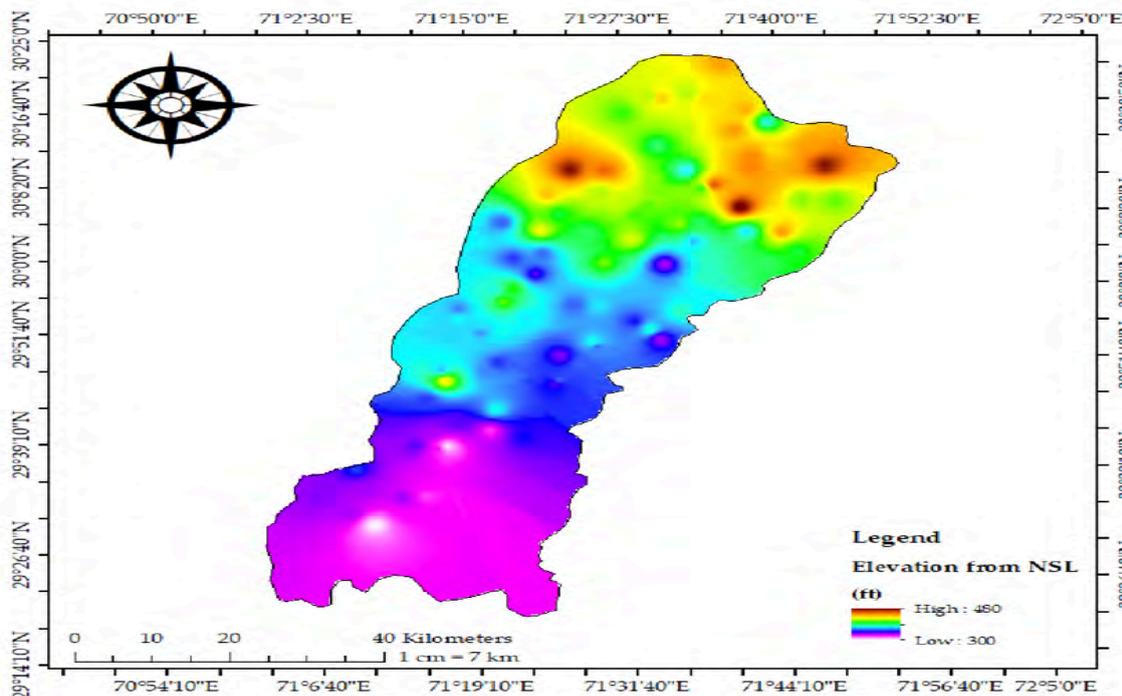


Figure 8: Elevation Profile of Multan District

SEISMICITY

Geological survey of Pakistan has divided Pakistan into five seismic zones. According to the seismic zone map of Pakistan, the project area (Multan) lies in Zone 2A of Seismic Zoning Map of Pakistan, which is medium hazard zone corresponding to peak ground acceleration (PGA) as given in figure below.

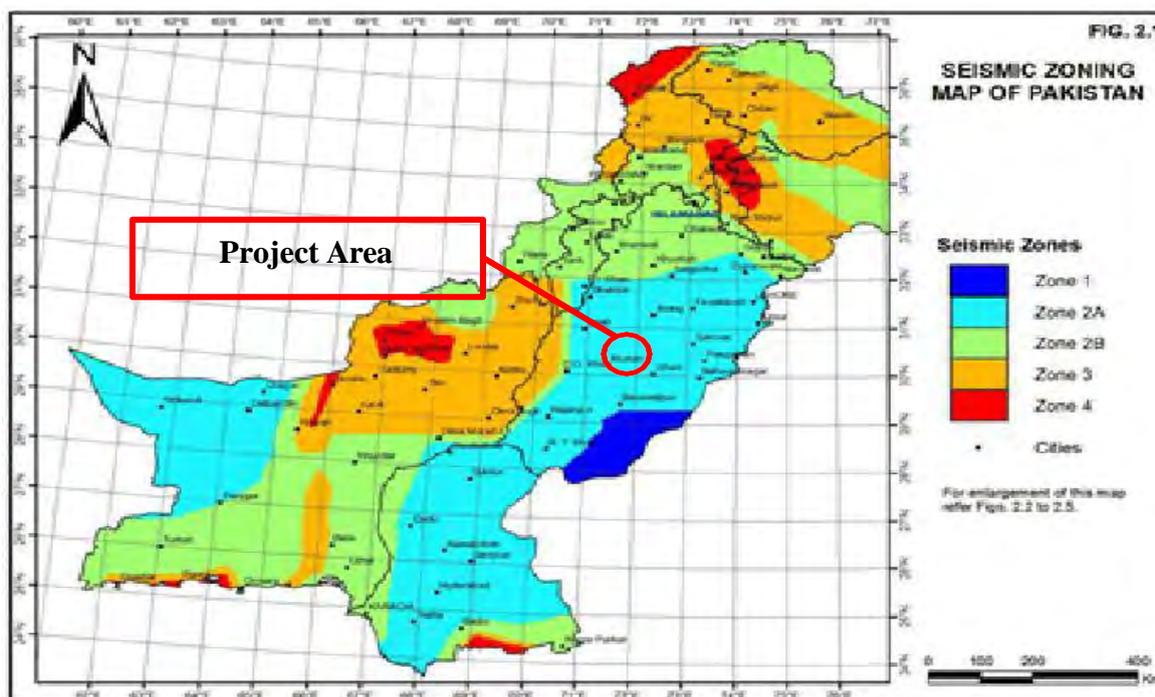


Figure 9: Seismic Map of Pakistan

CLIMATE

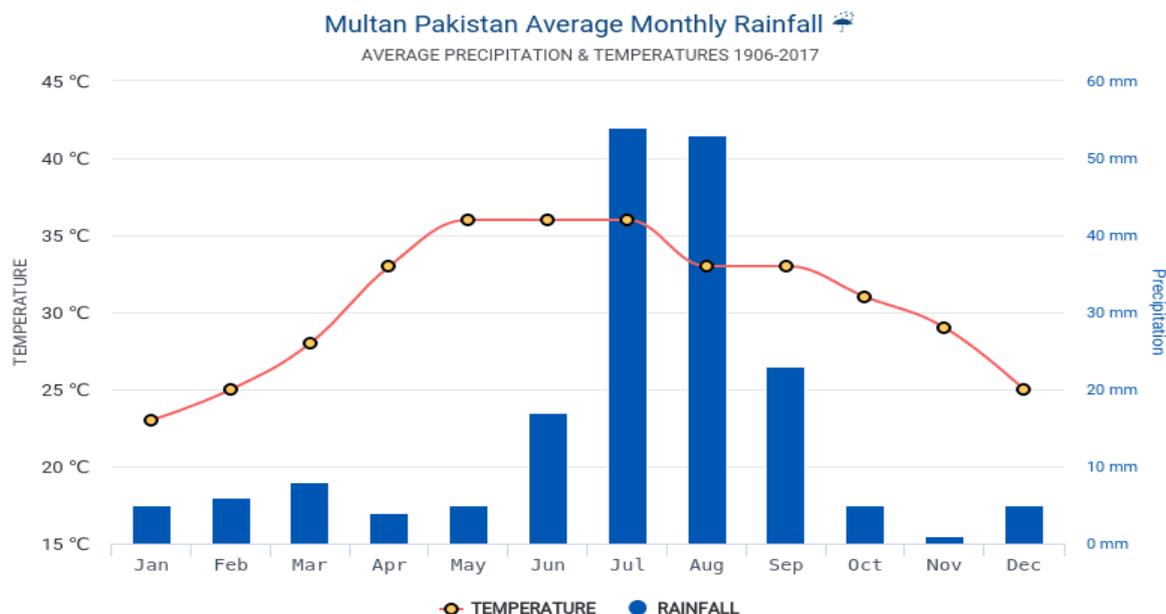
Temperature, precipitation and wind

Multan district has a hot and arid climate. The summers are very hot and winters are mild, and in fact, the city witnesses some of the most extreme weather in Pakistan. The highest recorded temperature is approximately 54 °C (129 °F), and the lowest recorded temperature is approximately -1 °C (30 °F). The average rainfall is roughly 186 mm, and winter rains are very rare.

The hottest months are May, June, July, and August. The heat and dust of Multan are proverbial; day temperatures in the summer, between May and September, are high, but the nights are comparatively cool. The highest temperatures of the summer months have been recorded in the months of May and June. Coldest months are December and January. The mean maximum and minimum temperatures during the summer are 42 °C and 29 °C whereas in winter the temperatures range between 21 °C and 4.5 °C respectively.

Wind storms were common in the recent past, but their frequency has been considerably reduced due to extensive agricultural development in and around the district.

The figure below shows that Multan city experiences maximum rainfall during July and August, while the dry season occurs from October to January. The average wind speed in the project area is mostly below 6 km/h, with the predominant wind direction toward the North-East. Occasionally, wind speeds above 12 km/h are observed, mainly coming from the North-North-East direction.

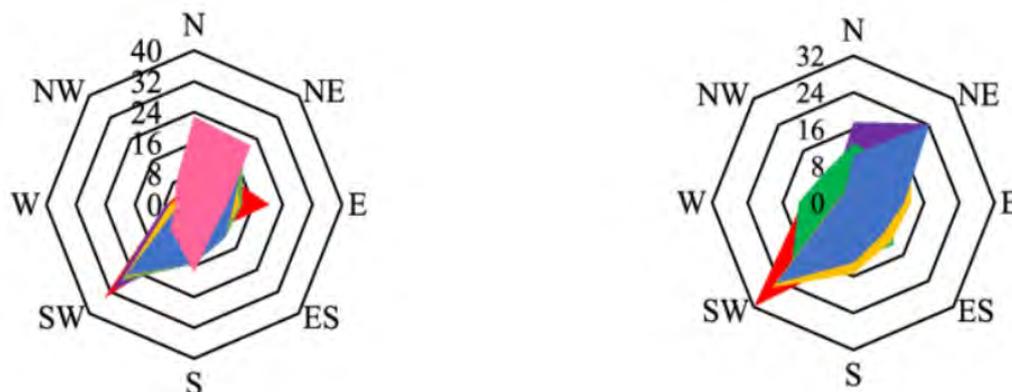


hikersbay.com/climate/pakistan/multan

Figure 10: Graphical representation of Temperature & Precipitation

- (a) ■ RYK ■ Lodhran ■ Multan
■ Vehari ■ Khanewal ■ Layyah

- (b) ■ Bahawalpur ■ D.G.Khan
■ Bahawalnagar ■ Multan
■ Muzaffargarh



Polar diagrams -showing the optimum wind direction -for South Punjab.

Figure 11: Wind direction

HYDROLOGY

Surface Water

clear water canal, stream or river is passing within 10 – 15 Km range of proposed project site. These streams and canals are mostly active in case of high rains or if there is any flood.

Underground Water

Underground water resource use nearby project area industries and houses. The underground water is clear, healthy and can be used as drinking purpose also. Pumps, tube wells and hand pumps are used to extract the water from ground. Water table is present at the depth of 70 feet

but is not fit for drinking purpose due to contamination. Drinking water can be extracted from the depth of 600- 800 ft from ground. Water Quality test report are given in **Annexure – I**.

AMBIENT AIR

The proposed project site is surrounded by industrial estate and number of small industries. The major sources of air pollution in the area are surrounding industries and transportation or vehicular traffic.

To record the baseline ambient air quality of the project area, monitoring was conducted at advised locations to assess the concentration of priority pollutants (Carbon monoxide, Nitrogen dioxide, Sulphur dioxide and PM10) in the air. Ambient Air Quality test report is given in **Annexure – I**.

BIOLOGICAL ENVIRONMENT

FAUNA

The fauna of Multan mainly consists of species adapted to hot and dry conditions. Common mammals include the Indian hare, desert fox, and small Indian mongoose. The area hosts a variety of birds such as sparrows, mynas, kites, pigeons, and seasonal migratory birds along the river belt. Reptiles like lizards, geckos, and snakes are also frequently found. Despite urbanization, the riverine areas around Multan still support diverse wildlife.

FLORA

The flora of Multan is shaped by its hot, dry climate and consists largely of arid-zone and drought-resistant plant species. Dominant tree species include kikar (*Acacia nilotica*), beri (*Zizyphus jujuba*), neem (*Azadirachta indica*), sheesham (*Dalbergia sissoo*), and eucalyptus, which are commonly planted along roadsides and agricultural fields. The natural vegetation features shrubs, grasses, and xerophytic herbs, such as mesquite (*Prosopis juliflora*), kans grass (*Saccharum spontaneum*), and various wild grasses that thrive in sandy soils. In the riverine and canal-irrigated areas, vegetation becomes denser, supporting tamarix, date palm, and seasonal grasses. Multan is also known for its extensive mango orchards, along with crops like wheat, cotton, sugarcane, and vegetables, which significantly contribute to the region's cultivated flora and overall greenery.

SOCIOECONOMIC ENVIRONMENT

DEMOGRAPHY

According to the 2023 Pakistan Census, the total population of District Multan is 5,362,305. Out of this, the rural population includes 1,452,332 males and 1,409,966 females, while the

urban population comprises 1,278,281 males and 1,221,319 females. Overall, the district hosts 2,730,613 males, 2,631,285 females, and 407 transgender persons. The demographic structure reflects steady population growth driven by expanding urbanization, agriculture, and industrial activities.

Table 8: Population of District Multan

	Rural	Urban	Total
Population	2862298	2499600	5,362,305
Male	1,452,332	1,278,281	2730613
Female	1,409,966	1,221,319	2631285
Transgender	53	354	407

EDUCATION

Multan city, including the MIE Industrial Phase-II area, has an overall literacy rate of approximately 43–54%, with noticeable gender disparity (male literacy higher than female). Around 13% of school-age children remain out-of-school. The district hosts over 1,100 schools and colleges, along with 10–15 major universities and higher education institutes, including Bahauddin Zakariya University, Muhammad Nawaz Sharif University of Agriculture, and Nishtar Medical University. This indicates a significant pool of skilled human capital while highlighting the need for community education and awareness programs in underserved areas

INDUSTRIES

Multan Industrial Estate (MIE), including Phase-I and Phase-II, hosts over 213 registered industrial units across 310 plots and approximately 1,410 acre. Key sectors include textiles, food & beverages (including Coca Cola Beverages Pvt.), paper & board, oil/solvent extraction, leather, and processing mills. The presence of these industries highlights Multan’s significant contribution to the regional economy, employment generation, and industrial output. Traditional and small-scale industries, such as Hafiz Sohan Halwa, further reflect the city’s diverse industrial landscape, complementing modern large-scale businesses.

Multan’s role in the agricultural field is also important. This city provides fruit and vegetables to Peshawar, Islamabad, and the Punjab.

NOTABLE PEOPLE

- **Alamgir Khan Tareen**, leading businessman and former MD of Shamim & Co., franchisee of PepsiCo in South Punjab
- **Jahangir Khan Tareen**, owner of JDW Group, one of Pakistan's largest agribusiness and industrial conglomerates
- **Founders/owners of Hafiz Sohan Halwa**, representing traditional food processing industry in Multan
- Cultural and historical figures such as **Bahauddin Zakariya**, renowned Sufi saint, and **Abida Parveen**, world-famous Sufi singer

RECREATIONAL RESOURCES AND DEVELOPMENT:

The project area has not any private recreational facilities as it is in industrial estate.

LITERACY & QUALITY OF LIFE VALUES

The social survey conducted in the Project area revealed a low to medium literacy ratio. Of the total participating persons only 43-54% were literate (male literacy higher than female).

Moreover, 1-3 % of respondents were Quran literate reflecting the religious tendency of the community. Quality of life is normal in that area. Most people work in the industries. For Modern hospitals and major facilities, they have to go Lahore & Karachi.

ARCHAEOLOGICAL AND HISTORICAL TREASURES

Proposed project is free from any type of historical and archaeological site/building.

CHAPTER - 4

SCREENING OF POTENTIAL ENVIRONMENTAL IMPACTS & THEIR MITIGATION MEASURES

ASSESSING IMPACTS:

The following chapter describes the overall possible impacts of project on the physical, biological and socioeconomic environment because of installation & operation phases and mitigation measures to minimize the significance of the possible impacts up to an acceptable level. The anticipated impacts related to project location, design, installation and operational phases have been assessed and mitigation measures are provided accordingly.

ENVIRONMENTAL IMPACTS DUE TO PROJECT LOCATION:

Site for the subject project is located in Multan Industrial Estate. No nearby fresh water channel in the surroundings of the project site and no adjacent human settlement near the project site. Site does not fall in the category of sensitive area and no environmentally sensitive localities exist within radius of study area.

If the mitigation measures are effectively implemented, the residual impact of the subject project activities on the area's geophysical environment is expected to be insignificant.

MITIGATION MEASURES FOR LOCATION PHASE IMPACTS:

- Rehabilitation and plantation will be done to reduce long term serious effects.
- Safe drinking water, Heat stroke center and shelters will be providing to workers in summer.
- Proper parking area and traffic should be regulated to ensure better traffic conditions in the area.

ENVIRONMENTAL IMPACTS DUE TO THE PROJECT DESIGN:

Following could be the impacts related to the design of the project:

- Unavailability of emergency services within the project site may cause life loss in case of emergency because site area has no nearby health facilities.
- Electricity hazards may arise due to improper electrical works.
- Fire hazard
- Compromised infrastructure and poor maintenance of buildings.
- Improper disposal system of wastewater and solid waste.

MITIGATION MEASURES AND RECOMMENDATIONS:

Following are the mitigation measures and recommendations to minimize the anticipated impacts related to the design of the project:

- Structural stability of the building should be ensured.
- Ample parking and good road infrastructure should be ensured at the project site.
- Emergency Services should be ensured within the project site i.e., firefighting arrangements.
- Geo-technical investigation of the project site should be conducted.
- Electricity system should be designed safe and sound.
- Electricity wires should be covered by thick plastic/electricity resistant covers.
- Appropriate waste water treatment system design should be ensured at the project site.
- Safety alarm and signaling system should be installed.
- Emergency exit plan should be formulated and communicated to each staff member.

ENVIRONMENTAL IMPACTS DURING THE INSTALLATION PHASE:

AIR QUALITY:

- Nil

NOISE:

Noise is a by-product of human activity, and area of exposure increases as function of mobility and installation activities. Sources of noise during installation phase are movement of machinery, cutting/ welding and other associated activities for installation. Noise generated by installation machinery is likely to affect sensitive receptors located within covered area.

Impact:

- Persistently higher noise levels can produce psychological effects of distraction of attention, irritation and short temperedness in the exposed persons
- Noisy settings and higher background levels can cause temporary threshold shift and the consequent habit of speaking loudly, which may cause damage to vocal cords in the persons exposed
- Noise produced from moving vehicles and blowing of pressure horns, at times,

could be intolerable particularly during quiet hours of night.

Mitigation:

- Selection of up-to-date and well-maintained equipment with reduced noise levels ensured by suitable in-built damping techniques or appropriate muffling devices
- Confining excessively noisy work to normal working hours in the day, as far as possible
- Providing the workers with suitable hearing protection like ear cap, or earmuffs and training them in their use
- Vehicles and equipment used should be fit, as applicable, with silencers and properly maintained
- Use of low noise machinery, or machinery with noise shielding and absorption
- Contractors should comply with submitted work schedule, keeping noisy operations away from sensitive points; implement regular maintenance and repairs; and employ strict implementation of operation procedures.

SOIL:

- Improper disposal of wastewater & solid waste
- Accidental spills

Impact:

- Leakages of oils, lubricants, chemicals, and other similar substances from their storage sites and from engines of the generators, machines, equipment and vehicles can spoil the receiving soils and may undermine ability of the spoiled soils to support growth of vegetation and plants as proposed site is already has scarce vegetation
- Non-provision of septic tanks with the temporary worksite toilets, constructed for the labor and others, can contaminate the effluent receiving soils because of raw nature of the effluents

Mitigation:

- As applicable and needed, plantation of grasses and shrubs will be done at appropriate place where required
- Oils, lubricants, chemicals, and other listed hazardous materials should be stored safely at their designated spots, enclosures or store rooms, which

should be safe from rainfall and away from any potential source of fire.

- Septic tanks of adequate capacities should be constructed for receiving and treating wastewater from all temporary worksite toilets and at the temporary container offices, if any. The domestic wastewater should not be discharged untreated onto the adjacent lands
- All machineries and materials should be stored at the designated areas and compounds
- All the unspent and left-over materials should be completely removed offsite upon completion of installation.

WASTEWATER:

Impact:

- Nil

SOLID WASTE:

Due to installation activities waste will be generated at site. The installation waste will include domestic waste, reusable/ recyclable waste and packaging solid waste etc. This will result in unhygienic conditions, health risk to work force and public at the camp site.

Impact:

- Insecure and unhygienic disposal of the solid wastes generated at the worksite, particularly garbage and trash may cause degradation of soil and land.
- Insecurely disposed off heaps of wastes containing kitchen garbage and food waste can serve as breeding grounds for the disease spreading vectors and rodents

Mitigation:

- An efficient and responsive solid waste management system should be devised for the entire duration of the installation phase. Such a system should provide for separate collection of different categories of wastes. The wastes which will be reusable/recyclable (iron bars, aluminum) should be sold to waste vendors or utilize with in site.
- Training of working force in the storage and handling of materials.
- Solid waste generated during installation phase will be handed over to the

certified contractor.

HEALTH AND SAFETY:

Health risks and work safety problems may result at the workplace if the working conditions provide unsafe and/or unfavorable working environment and due to storage, handling and transport of hazardous material. Workers should be provided with safe and healthy working environment taking into account risks inherent to the particular sector and specific classes of hazards in project area. Mitigation measures will include:

Mitigation:

- Providing basic medical training to specified work staff and basic medical service and supplies to workers
- Firefighting equipment, safe storage of hazardous material, first aid, security, fencing, and contingency measures in case of accidents
- Good workmanship practices are to be followed by the contractor to ensure no health risks for laborers
- Protection devices (ear muffs) should be provided to the workers doing job in the vicinity of high noise generating machines
- Provision of adequate sanitation, washing, cooking and dormitory facilities including light up to satisfaction
- Provision of protective clothing for laborers handling hazardous materials, e.g., Helmet, adequate footwear for bituminous pavement works, protective goggles, gloves etc.
- Ensure strict use of wearing protective clothing during work activities
- Instruct foremen to strictly enforce the keeping out of non-working persons off work sites
- Adequate signage, lightning devices, barriers, yellow tape and persons with flags.

IMPACT ON BIOLOGICAL ENVIRONMENT:

Proposed project site is with established operational plant area and no construction activity involved in the process. Plantation of native species is recommended as rehabilitation step.

IMPACT ON SOCIO-ECONOMIC ENVIRONMENT:

Economic activity:

Due to the installation of the proposed project, economic activity will be generated in the project area as the laborers and semi-skilled staff will have an opportunity to work for the proposed project. This will help in developing their skills and capacities. This is a moderate positive

impact.

Lifestyle and culture:

There are chances of arising of issues related to cultural differences/conflict between the contractor’s workforce and the local inhabitants, conflicts arising due to the mix of local and migratory job seekers as the use of local resources and products will be increased. In this situation, local residents may resist contractor’s workforce attitudes, cultural clashes particularly when local/international contractors are engaged, social disturbance and dissatisfaction with employing outsiders may arise. This impact is temporary and minor negative in nature.

POTENTIAL IMPACTS DURING OPERATIONAL PHASE:

METHODOLOGY FOR IMPACT EVALUATION:

The methodology adopted for impact evaluation includes the Modified Leopold Matrix. The analysis is performed with the Leopold Matrix (LM). This matrix has:

1. On the horizontal axis, the actions which cause environmental impact, and
2. On the vertical axis, the existing environmental conditions which may be affected by those actions.

This provides a format for comprehensive review of the interactions between proposed actions and environmental factors.

The most important blocks marked are evaluated individually, and a number between 0 and 10 is placed in the upper left-hand corner to indicate the relative magnitude of the impact (0 represents the least magnitude, and 10 the greatest). Likewise, a number between 0 and 10 is placed in the lower right-hand corner to indicate the relative importance of the impact (again, 0 represents the least magnitude and 10 the greatest).

Table 9: Scale for impact assessment (Significance & Magnitude)

Sr. No.	Type of Impact	Scale of Magnitude (0 – 10)	Scale of Importance (0 – 10)
1	No Impact	0	0
2	Low Impact	1 – 4	1 – 4
3	Medium Impact	5 – 6	5 – 6
4	High Impact	7– 10	7– 10

Over all the impact of project is positive in term of employment and infrastructure improvement.

Mostly the average values are falling in 1.5 – 3 range which means the overall impact is low e.g., biodiversity, occupational hazards, solid waste and air emissions impact but for wastewater and water consumption score is high if mitigation measures will not adopt. To counter with the negative impacts Environmental Management Plan is formulated which will be ensured by the project proponent. Beside this environmental monitoring plan is also formulated for environmental monitoring of various parameters which will be also implemented by the proponent.

Impact analysis and prediction:

In order to evaluate the socioeconomic and environmental impacts, filed surveys are extremely essential. In addition to the surveys, consultation with the community and their active participation plays a vital role in successful implementation of the project. For the impact analysis and predictions following methods were adopted:

Consultations/ case studies:

To study the impacts of the project on physical and biological environment, site visits were conducted by the environmental practitioners and experts and possible physical and biological impacts which may arise due to the subject project were identified through consultations and case studies and their mitigation measures were suggested accordingly.

Meetings:

For the identification of the social impacts of the project, meetings and group discussions were held with the local people, stakeholders, nearby residents and passerby because social acceptability of the project and the area is a key to success. Consultation with the stakeholders is a tool for managing two-way communication between the project proponent and the affected public. Its goal is to improve decision making and built understanding by actively involving individuals, groups and organizations, which have stake in the project. This involvement increases project's long-term viability and enhances its benefits to locally affected people and other stakeholders.

IMPACT ASSESSMENT CRITERIA:

The impacts were assessed in the light of criteria given as under:

- Magnitude or degree of impact
- Time and duration of impact
- Likelihood of impact occurrence
- Sensitivity of impact

- Risk related to impact

AIR QUALITY:

Emissions can be produced by boiler, standby generators and project in terms of the resulting pollutants (CO₂, CO, SO_x, NO_x, PM, etc.)

Nature of impact: Direct

Duration: long term **Timing:**

operation **Reversibility:**

irreversible

Likelihood: moderate if mitigation measures are being ensured.

Consequences: minor, if pollutants level in the ambient air is being controlled within acceptable limits by adopting proper mitigations.

Impact significance: high, if pollution control measures not taken, minor to moderate if fully adopted.

Mitigation Measures:

- Industry should ensure the NEQS compliance and should not be allowed to emit hazardous pollutants.
- Air Emission Control Measures are recommended to control the air emissions.
- Maximum possible plantation is recommended as it absorbs gaseous emissions as well as prevent lower atmospheric dust to move along with the air action.
- All project related machinery, standby generators, vehicles will be checked regularly to ensure that are in sound working condition and are not emitting smoke.
- Regular monitoring as per NEQS is recommended for ambient air and stack emissions.
- Proponent should keep the records of monitoring and equipment maintenance.

WASTEWATER:

Wastewater will be generated from process mainly consist of rejected RO water.

Nature of impact: Direct

Duration: long term **Timing:**

operation

Reversibility: Not applicable

Likelihood: moderate if mitigation measures are being ensured.

Consequences: minor, if pollutants level in the wastewater is being controlled within acceptable

limits by adopting proper mitigations.

Impact significance: moderate, based upon low likelihood and if measures are adopted.

Mitigation measure:

- Industry should construct treatment facility to treat its wastewater before its final disposal.
- Compliance of NEQS for Effluents should be ensured.
- Monitoring should be conducted as per NEQS and record should be maintained.
- Reuse of treated wastewater/ rejected RO water for associated activities is recommended.

NOISE:

Noise is a by-product of human activity, and area of exposure increases as function of mobility and operational activities. Noise is the major concern during the operation phase. It can be generated from the machinery used for operations i.e., loading and unloading of material, generators, plant production machinery.

Nature of impact: Direct

Duration: long term **Timing:**
operation

Reversibility: Not applicable

Likelihood: low

Consequences: slightly significant

Impact significance: moderate, based upon low likelihood and mild to moderate consequence.

Mitigation measures:

If the noise level will exceed the permissible limits with reference to national and OSHA standards, following recommendations are suggested to take action against the high noise levels:

- Activities generating high levels of noise should be minimized at the project site.
- Personal Protective Equipment PPEs including Ear muffs, Ear plugs and other noise abating equipment will be provided to the workers and other staff in case of noise at the project site.
- Sound proof/ covered buildings should be built for placement of machinery, generators (if any) to be installed at the project site to control the noise.

- Proper tuning of machinery is recommended.
- Rubber wounds/ vibration control platforms should be placed underneath the machinery/ generator to avoid the vibration.
- Speed/ horn restriction should be imposed on all project related vehicles.
- Regular monitoring as per NEQS/ OSHA standards and record keeping is recommended.

SOLID WASTE:

In the operation of said project proper solid waste management system is being adopted for the prompt, timely and efficient disposal of solid waste for the reduction of its impacts. Impacts due to solid waste may be temporary and minor in nature.

Nature of impact: Direct

Duration: Short term **Timing:**

operation **Reversibility:** Not applicable

Likelihood: Low (unlikely) if mitigation measures are being ensured that Solid waste management in efficient way.

Consequences: Mild, as it is being removed from site within few hours

Impact significance: Low, based upon low likelihood and mild to moderate consequence.

Mitigation measures:

- Devise plan & develop guidelines for the safe handling, storage & disposal;
- PPEs are strongly recommended for workers for the handling of hazardous waste (if any);
- Separate bins at various places must be present for solid waste collection and segregation;
- Waste will be handed over to local waste contractor;
- Solid waste should be recycled and reuse at maximum level;
- Industrial ecology practices are being implemented wherever possible;
- 3R's of sustainability is recommended;

ENERGY:

Energy consumption in industrial area is usually very high. Machinery work runs all day in different industries. Energy conservation technique should be in mind.

Mitigation measures

- Do not waste the energy/ electricity when there is no need of it.
- Use energy efficient machinery and equipment
- Use energy saving products
- Conduct and maintain records for energy audits
- Do not leave the machinery in running form when there is no working being done
- Machinery must never be left unattended
- Renewable sources of energy are recommended to reduce dependency on fossil fuel.

HEALTH AND SAFETY:

Health risks and work safety problems may result at the workplace if the working conditions provide unsafe and/or unfavorable working environment and due to storage, handling and transport of hazardous material. Workers should be provided with safe and healthy working environment taking into account risks inherent to the particular sector and specific classes of hazards in project area. Mitigation measures will include:

Mitigation:

- An HSE department should be established to look after the worker and community's health, safety & environment related issues, headed by HSE officer.
- Proper training of workers and staff should be conducted to avoid the accidents.
- Use of PPEs should be implemented at workplace.
- First aid measures/ medical facility should be provided at the project site.
- Safe drinking water must be provided to workers and staff.
- Safety signs & boards should be placed during operational activities.
- Smoking or any drugs should be prohibited during working hours or performing work.
- Fire Fighting Arrangements/ Equipment should be installed and responsibility should be assigned for firefighting in emergency situation.
- SOPs for operational activities should be formulated and implemented.
- Regular review meetings should be arranged to assess the efficacy of EMP.

SOIL CONTAMINATION:

leaching from storage sites, Oil and chemical spills can contaminate the soil.

Mitigation measures:

- Raw material/ chemical/ oil should be stored in properly constructed covered paved area to prevent leaching of contaminants in soil. i.e., in rainy seasons.
- Provision of spill prevention and control kits.
- Use of impermeable surfaces in workshops, and storage areas;

IMPACT ON SOCIO-ECONOMIC ENVIRONMENT:

Due to the proposed project, economic activity will be generated in the project area as the laborers and semi-skilled staff will have an opportunity to work for the proposed project. This will provide them an employment opportunity close to their homes. This is a positive impact.

POTENTIAL ENVIRONMENTAL ENHANCEMENT MEASURES:

Following necessary measures should be adopted during operational phase of the project and most of them are being adopted:

- Sprinkling of water should done on dusty roads and tracks.
- Machinery should never be left unattended.
- Efforts should also be made to discuss traffic conditions so that regular traffic is not disturbed. Transporters engaged for the project would be forced to adhere to the load specifications of the access road. No overloading should be allowed in any case.
- Machinery should be kept maintained.
- Wastewater will be treated through WWTP/ septic tanks that will be installed within the premises of the subject project.
- Proper SOPs will be followed with proper schedule along with the HSE conditions.
- A proper tree plantation plan is formulated to save the environment.
- Solid waste will be handled properly.
- Noise will be controlled by adopting proper measures.
- PPEs will be provided to workers during working.
- Hygienic conditions should be ensured and proper quality will be maintained by management.
- First aid facilities should have been made available.

PURPOSE OF MITIGATION MEASURES:

What is the problem i.e. In terms of “major environmental impacts” which may arise by the subject project activity?

The major impacts which may arise by the subject project are air and noise pollution. Other

impacts are of minor importance. These impacts may arise during operational phase of the project, during the operational phase of the subject project, it will be ensured that precautionary measures are being adopted, during the activity and post activity to cause minimum impacts to the environment.

When the problem will occur and when it should be addressed?

Negative impacts may arise during the operational phase of the project if proper precautionary measures and procedures are not being followed. If proper precautionary measures and procedures are being implemented, there should not be any major problem. If any impact would arise due to the subject project activity, it will be addressed on site. Trainings is being conducted on site while other precautionary measures will also be adopted to make the project safe and environment friendly.

Where and how the problem should be addressed?

The problem should be address at the site and immediate response should be provided to address the problem which may arise. Institutional capacity responsible for the implementation of EMMP is responsible for addressing such problems if arise.

CHAPTER - 5

ENVIRONMENTAL MANAGEMENT AND MONITORING PROGRAM

The primary objectives of the EMMP are to:

- Facilitate the implementation of the mitigation measures identified in the EIA.
- Define the responsibilities of the project proponent.
- Define a monitoring mechanism and identify monitoring parameters in order to:
- Ensure the complete implementation of all mitigation measures.
- Ensure the effectiveness of the mitigation measures.
- Provide a mechanism for taking timely action in the face of unanticipated environmental situations.
- Identify training requirements at various levels

INSTITUTIONAL CAPACITY:

The overall responsibility for compliance with the environmental management plan rests with the project proponent. He will appoint a HSE/ Project manager of relevant qualification. HSE/ Project manager is acting as Environmental Manager and is managing all HSE conditions according to the NEQS.

A certain degree of redundancy is inevitable across all management levels, but this is in order to ensure that compliance with the environmental management plan is crosschecked.

Following functionaries will be involved in the implementation of EMP:

- Project Proponent
- HSE Officer
- In-Charge Administration
- Supervisor of project

TRAINING SCHEDULE:

Training for the management and workers on environmental aspects of the project is being arranged during the operational phase of the project.

Table 10: Proposed training schedule

Sr. No.	Description of program	Labor/ Personnel involved	Time/ duration
---------	------------------------	---------------------------	----------------

1)	General HSE Training	Trainers and whole labor	Quarterly for 1 hour
2)	Instrument use/ workplace specific items	Trainers and whole labor	Quarterly for 1 hour
3)	PPEs use and safe work practices at work site.	Trainers and whole labor	Quarterly for 1 hour
4)	Reporting and investigating accidents/ incidents	Trainers and whole labor	Quarterly for 1 hour
5)	Emergency procedures	Trainers and whole labor	Quarterly for 1 hour
6)	Medical and first aid	Trainers and whole labor	Quarterly for 1 hour
7)	Health and safety promotion	Trainers and whole labor	Quarterly for 1 hour

In order to raise the level of professional and managerial staff, there is a need to upgrade their knowledge in the related areas. HSE/Project Manager should play a key role in this respect and arrange the training programs. HSE/Project Manager will provide training to staff and workers about the best environmental management practices. The training modules will include air, noise and water pollution monitoring, social awareness, Environmental Laws, National Environmental Quality Standards (NEQS), Usage of personal protection equipment, and health and safety related issues on the project site.

The HSE/Project Manager will train all workers & staff in basic sanitation and health care issues (e.g., how to avoid malaria and transmission of Sexually Transmitted Infections (STI) HIV/AIDS and in general health and safety matters, and on the specific hazards of their work. Training should also consist of basic hazard awareness, site specific hazards, safe work practices, and emergency procedures for fire, evacuation.

SUMMARY OF IMPACTS AND THEIR MITIGATION MEASURES:

Table 11: Summary of impacts during construction phase

SUMMARY OF IMPACTS DURING INSTALLATION PHASE		
Potential Impacts	Criteria for determining Significance	Key Mitigation Measures



<p>Health and safety issues- may arise due to improper handling of work and if precautionary measures will not be adopted.</p>	<p>OSHA Standards</p>	<p>Proper training of workers and staff regarding proposed installation should be conducted to avoid the accidents.</p> <p>Use of PPEs should be implemented at workplace.</p> <p>First aid measures/medical facility is available at the project site.</p> <p>Safe drinking water must be provided to workers and staff.</p> <p>Safety signs & boards should be placed during installation activities.</p> <p>Installation site should be fenced properly to avoid any damage to adjacent PET line/ workers in the area.</p> <p>Adequate firefighting arrangements and availability of trained firefighting staff is being ensured by M/s CCBPL.</p> <p>Smoking or any drugs should be prohibited during working hours or performing work.</p>
<p>Gaseous Emissions</p>	<p>NEQS</p>	<p>NIL.</p> <p>Proposed project's scope did not cover any construction & demolition activity as subject unit & associated facilities are already constructed and only involves installation activities.</p>
<p>Particulate Matter</p>	<p>NEQS</p>	<p>NIL.</p> <p>Proposed project's scope did not cover any construction & demolition activity as subject unit & associated facilities are already constructed and only involves installation activities.</p>
<p>Noise- Noise may be generated during installation and movement activities at the project site; which may be a nuisance for the workers.</p>	<p>OSHA standards</p>	<p>Activities generating high levels of noise should be minimized at the project site.</p> <p>If the noise level will exceed the permissible limits with reference to national and OSHA standards during installation activities i.e., movement of machinery/ loading/ unloading, handling, welding etc., following recommendations are suggested to take action against the high noise levels:</p> <ul style="list-style-type: none"> • Proper tuning of machinery and vehicles

		<p>involve in installation activities is recommended.</p> <ul style="list-style-type: none"> • Ear muffs and ear plugs are recommended in case of high noise levels. •
<p>Solid waste Management— If solid waste will not be managed properly, it may cause negative impacts</p>	<p>Generation of excessive waste;</p> <p>Recyclable waste and reusable waste is discarded;</p> <p>Improper disposal</p>	<p>Solid waste should be handed over to relevant contractor;</p> <p>Domestic waste should be disposed off properly, handed over to contractors, placed in bins;</p> <p>Proper solid waste management plan is implemented.</p> <p>Temporary handling & storage site is designated.</p>
<p>Vegetation Loss/ Soil erosion—</p>	<p>Unnecessary or excessive removal of trees and shrubs.</p>	<p>NIL.</p> <p>No tree cutting/ vegetation loss issue will be involved in the proposed project as project site is already established unit and only installation of the beverages line machinery will involve.</p> <p>Efforts has been taken to restore/ betterment of the local area through Plantation Plan & donations.</p> <p>Native trees/ plants will be planted along with boundary walls and in designated sites.</p>
<p>Soil Contamination— mismanagement of solid waste can contaminate the soil.</p>	<p>Presence of visible amount of solid waste in soil.</p>	<p>An effective solid waste management system is in place to mitigate the potential impacts.</p>
<p>Wastewater-</p>	<p>Environmental implications of disposed untreated.</p> <p>Prevention of diseases spread.</p>	<p>NIL.</p> <p>Proposed project's scope did not cover any construction & demolition activity as subject unit & associated facilities are already constructed and only involves installation activities which will not generate any wastewater.</p>
<p>Socioeconomic impacts—Inter-cultural differences between the project</p>	<p>No community complaints</p> <p>Increased</p>	<p>Training of the non-local project staff on local culture and norms;</p> <p>Avoidance of unnecessary interaction of local</p>

<p>staff from other areas and the local community may arise due to the subject project.</p> <p>Positive socioeconomic impacts due to increased infrastructure, employment opportunities and economic growth.</p>	<p>employment facilities in the area; Increased infrastructure</p>	<p>population with the non-local project staff.</p> <p>Employment opportunities should be provided to the local people to maximum extent possible.</p> <p>CSR program for local community in recommended.</p> <p>Complaint resolution committee should be formulated to address grievances.</p>
--	--	---

Table 12: Summary of impacts during operation phase

SUMMARY OF IMPACTS DURING OPERATION PHASE		
Potential Impacts	Criteria for determining Significance	Key Mitigation Measures
<p>Air Emissions-</p> <p>During the operational phase of the project, gaseous emissions from project related activities and power sources may affect the air quality of the project area.</p> <p>Project activities can also impact the ambient air through release of PM.</p>	<p>NEQS for Ambient Air</p> <p>NEQS for Stack Emissions</p>	<p>Industry should ensure the NEQS compliance and should not be allowed to emit hazardous pollutants.</p> <p>Air Emission Control Measures are recommended to control the air emissions.</p> <p>Maximum possible plantation is recommended as it absorbs gaseous emissions as well as prevent lower atmospheric dust to move along with the air action.</p> <p>All project related machinery, standby generators, vehicles will be checked regularly to ensure that are in sound working condition and are not emitting smoke.</p> <p>Regular monitoring as per NEQS is recommended for ambient air and stack emissions.</p> <p>Proponent should keep the records of monitoring and equipment maintenance.</p>
<p>Noise- Noise due to industrial activity, machinery and generators can be a nuisance for the workers in the</p>	<p>NEQS for ambient noise level.</p> <p>OSHA standards for covered working areas.</p>	<p>Activities generating high levels of noise should be minimized at the project site.</p> <p>If the noise level will exceed the permissible limits with reference to national and OSHA standards, following recommendations are</p>



<p>working area.</p>		<p>suggested to take action against the high noise levels:</p> <ul style="list-style-type: none"> • Personal Protective Equipment PPEs including Ear muffs, Ear plugs and other noise abating equipment will be provided to the workers and other staff in case of noise at the project site. • Sound proof/ covered buildings should be built for placement of machinery i.e., generators (if any) to be installed at the project site to control the noise. • Proper tuning of machinery is recommended. • Rubber wounds/ vibration control platforms should be placed underneath the machinery/ generator to avoid the vibration. • Speed/ horn restriction should be imposed on all project related vehicles. • Maximum plantation is recommended within site area as it absorbs the noise waves and act as barrier. • Regular monitoring as per NEQS/ OSHA standards and record keeping is recommended.
<p>Discharge of wastewater- The discharge of untreated industrial effluents or municipal wastewater may be a negative impact of the subject project.</p>	<p>NEQS for Municipal and Liquid Industrial Effluents (mg/l, unless otherwise defined)</p>	<p>Industry has treatment facility to treat its wastewater before its final disposal.</p> <p>The process wastewater and domestic wastewater will be generated from the site which will be treated into existing wastewater treatment facility before disposal/ reuse.</p> <p>Treated wastewater will be used for plantation or can be used for sprinkling purpose on unpaved areas or simply drained out in nearby local drain present along with the northern boundary of the proposed site.</p> <p>Compliance of NEQS for Effluents should be ensured.</p> <p>Monitoring should be conducted as per NEQS and record should be maintained.</p>
<p>Health & Safety Issues- different operational activities at the project site may cause health and</p>	<p>OSHA Standards</p>	<p>An HSE department is established to look after the worker and community's health, safety & environment related issues, headed by HSE officer.</p> <p>Proper training of workers and staff should be</p>

<p>safety issues for workers if precautionary measures will not be adopted.</p>		<p>conducted to avoid the accidents.</p> <p>Use of PPEs should be implemented at workplace.</p> <p>First aid measures/ medical facility should be provided at the project site.</p> <p>Safe drinking water must be provided to workers and staff.</p> <p>Safety signs & boards should be placed during operational activities.</p> <p>Smoking or any drugs should be prohibited during working hours or performing work.</p> <p>Fire Fighting Arrangements/ Equipment should be installed and responsibility should be assigned for firefighting in emergency situation.</p> <p>SOPs for operational activities should be formulated and implemented.</p> <p>Regular review meetings should be arranged to assess the efficacy of EMP.</p>
<p>Soil Contamination— leaching from storage sites, Oil/chemical spills, solid waste and untreated wastewater disposal can contaminate the soil.</p>	<p>Presence of litter in soil.</p> <p>Untreated wastewater disposal.</p> <p>Presence of visible amount of hydrocarbon in soil.</p>	<p>Effective treatment of wastewater before disposal.</p> <p>Implementation of effective solid waste management plan.</p> <p>Oil/ chemicals/ raw material should be stored in properly constructed covered paved area to prevent leaching of contaminants in soil. i.e., in rainy seasons.</p> <p>Provision of spill prevention and control kits;</p> <p>Use of impermeable surfaces in workshops, and storage areas;</p>

<p>Solid waste management- If solid waste will not be managed properly, it may cause negative impacts.</p>	<p>Exposure to potentially hazardous waste;</p> <p>Generation of excessive waste;</p> <p>Recyclable waste and reusable waste is discarded;</p> <p>Littering;</p> <p>Improper disposal.</p>	<p>Solid waste from the sources should be disposed off properly by following SOPs.</p> <p>Proper solid waste management system is recommended for unit.</p> <p>Industrial ecology practices will be adopted wherever possible.</p> <p>3R's of sustainability are recommended to achieve.</p> <p>Separate waste bins should be placed at suitable places.</p>
<p>Socioeconomic impacts—Inter-cultural differences between the project staff from other areas and the local community may arise.</p> <p>Positive socioeconomic impacts due to increased infrastructure, employment opportunities and economic growth.</p>	<p>No community complaints</p> <p>Increased employment facilities in the area;</p> <p>Increased infrastructure</p> <p>CSR Activities</p>	<p>Training of the non-local project staff on local culture and norms;</p> <p>Avoidance of unnecessary interaction of local population with the non-local project staff.</p> <p>Employment opportunities should be provided to the local people as possible.</p> <p>Grievance redress/ conflict resolve committee should be formulated in order to resolve worker's and local's concerns.</p> <p>CSR activities for welfare of local community.</p>

EQUIPMENT MAINTENANCE DETAIL:

The Company should maintain the records for Health, Safety & Environment and hiring HSE manager to check and deal with the HSE issues. The company should maintain PPEs, medical facilities, firefighting Equipment's as fire buckets, fire hydrants and fire extinguishers and records for their periodic fillings or replacement.

ENVIRONMENTAL BUDGET:

The cost which is required to effectively implement the mitigation measures is important for the sustainability of the project in operation stage of the project. Management of M/s CCBPL will allocate Environmental Budget for meeting the following purposes:

Table 13: Environment budget detail

HSE training	On quarterly basis
Maintenance and management of environment	On regular basis
Maintenance of equipment	On regular basis
Restoration	As per requirement
Plantation	During the operation phase
Strategic planning to cope with any emergency situation	As per policy
Formulate the disaster management plan to cope with natural disaster	As per policy

Implementation of all these parameters will be included in the environmental budget. Any equipment failure will not be included in this budget.

ENVIRONMENTAL MANAGEMENT PLAN FOR PROPOSED PROJECT OF M/S CCBPL PRIVATE LIMITED

Sr. No.	Aspects	Impact & mitigations to be taken			
		Impacts	Mitigation measures Operation	Responsibility	Monitoring

AMBIENT AIR QUALITY

1	Gaseous emissions	Air pollution due to site machinery i.e., Boiler, standby generator and project vehicles.	<ul style="list-style-type: none"> Industry should ensure the NEQS compliance and should not be allowed to emit hazardous pollutants. Air Emission Control Measures are recommended to control the air emissions. Maximum possible plantation is recommended as it absorbs gaseous emissions as well as prevent lower atmospheric dust to move along with the air action. 	HSE Department	Environmental Consultant/ HSE Dept./ Maintenance Dept.
---	-------------------	---	--	----------------	--



			<ul style="list-style-type: none"> • All project related machinery, standby generators, vehicles will be checked regularly to ensure that are in sound working condition and are not emitting smoke. • Regular monitoring as per NEQS is recommended for ambient air and stack emissions. • Proponent should keep the records of monitoring and equipment maintenance. 	
--	--	--	---	--

NOISE LEVEL

3	Noise & Vibration	The major sources of the noise at proposed site is due to industrial activity, vehicles, machinery and generators, which can be a nuisance for the workers in the working	<ul style="list-style-type: none"> • PPEs as Ear plugs/muffs should be provided to workers in case of high noise during working hours • Proper maintenance and tuning of the vehicles 	HSE Department	Environmental Consultant/ HSE Dept./ Maintenance Dept.
---	-------------------	---	---	----------------	--

		<p>area.</p> <ul style="list-style-type: none"> • Heavy machinery operation and generators at the site is the main source of noise & vibrations. • High noise level may cause hearing loss, deafness, high blood pressure, headache, depression and mentally disturbance. • Noise level will not exceed 75 dB(A) at the boundary walls of industrial activity site and is located at a safe distance from the nearest human settlement. <p>The maximum threshold level for the vibration is between 50 and 100 mm/S ppv have been suggested by Grimshaw (1971) as critical threshold level.</p>	<p>should be done.</p> <ul style="list-style-type: none"> • Sound proof room/ covering should be built for generator to control the noise. • Rubber wounds should be placed underneath the generator to avoid the vibration. • Speed/ horn restriction should be imposed on all vehicles. • be conducted as per EPA NEQS Rules. • Maximum plantation is recommended within site area as it absorbs the noise waves and act as barrier 		
--	--	--	--	--	--

SOIL CONTAMINATION

4	Soil contamination	<ul style="list-style-type: none"> Soil may be contaminated due to raw material storage on an suitable area, oil and other chemicals storage, transportation Soil contamination due to untreated wastewater disposal 	<ul style="list-style-type: none"> SOPs should be developed for the transportation, storage of raw material, oil and other hazardous substance handling and transportations Soil contamination should be controlled by adopting mitigation measures such as storage of raw material, oil, fuels etc. on paved/ covered area, by maintaining leakage record and by regular inspection. Treated wastewater should be disposed off in drain. 	HSE Department	HSE Dept./ Area manager/ Supervisor
---	--------------------	--	--	----------------	---

HEALTH AND SAFETY

5	Health and safety	<ul style="list-style-type: none"> Health & safety issues of workers and nearby community Health and safety issues will be arising during transportation, handling, loading and unloading, other industrial activities, by release of flue gases, operation of machinery, improper practices of work etc. 	<ul style="list-style-type: none"> Use of PPEs should be implemented at workplace. First aid measures/medical facility should be provided to project related employees. Safe drinking water must be provided to workers, staff & poor people of the area. Water consumption records should be maintained Safety signs & boards should be placed at during operation activity. smoking or any drugs should be prohibited during working hours or performing work Do not place any flammable or hazardous substance near the explosive material 	HSE Department	Environmental Consultant/ HSE Dept./ Area Manager/ Supervisor
---	-------------------	---	---	----------------	--

WASTEWATER

6	Waste water	<ul style="list-style-type: none"> Wastewater generation from domestic & process activities in operation. Waste water may cause Spread of diseases, underground and surface water contamination 	<ul style="list-style-type: none"> Waste water generated from the site should be treated in WWTP before disposal Monitoring should be conducted as per EPA NEQS Rules 2001 	ETP Manager	Environmental Consultant/ ETP Manager
---	-------------	---	--	-------------	--

SOLID WASTE GENERATION

7	Solid Waste Generation	<ul style="list-style-type: none"> Solid waste generation may cause land & soil contamination, aesthetic degradation, foul smell etc. Solid waste may generate from the operational raw material & packaging material, domestic sources. 	<ul style="list-style-type: none"> A solid waste management team should be formulated. Solid waste generated from the various activities should be utilized by recycling and reuse to the possible extent. solid waste from the domestic sources should be disposed off properly by placing separate waste bins for reusable/ recyclable and other waste sources. Hazardous waste should be handed over to certified contractor for proper disposal. 	HSE Department	HSE Dept./ Area Manager/ Supervisor
---	------------------------	--	--	----------------	---

SOCIO ECONOMIC IMPACTS

8	Culture and norms of the area	<p>Socioeconomic impacts may arise due to:</p> <ul style="list-style-type: none"> Change in cultural language Change in social behavior and economic gains Social performance of the individuals in the area Change in culture by the influx of nomadic people Gender inequality 	<ul style="list-style-type: none"> Community wellbeing should be considered and anticipated measures are recommended to preserve the local culture and ecosystem Local people should be preferred for the employment The project proponent will initiate educational awareness program with the coordinator of local people. The project proponent will assist the local impacted community for the improvement of local community. Subject project will uplift the economic status of the nearest human settlements. 	Admin/ HR Manager	---
---	-------------------------------	---	--	-------------------	-----

CHAPTER - 6

PUBLIC CONSULTATION & STAKEHOLDERS PARTICIPATION

This section deals with the social acceptability of the project and the area. Consultation with the stakeholders is a tool for managing two-way communication between the project proponent and the affected public. Its goal is to improve decision making and build understanding by actively involving individuals, groups and organizations, which have stake in the project. This involvement increases project's long-term viability and enhances its benefits to locally affected people and other stakeholders. It gives the feeling of an ownership to the local population and public indolent is also helpful in smooth implementation and success of the project.

In order to evaluate the socioeconomic and environmental impacts, filed surveys are extremely essential. In addition to the surveys at the preliminary stage, consultation with the community and their active participation plays a vital role in successful implementation of the project. To identify the different types of stakeholders and ascertain their perceptions about the said project Environmental Impact Assessment (EIA) social survey was conducted. Informal group discussions were also held as an additional tool for obtaining feedback from the stakeholders that are being discussed in the following pages.

OBJECTIVES OF CONSULTATION:

Public consultation plays a vital role in studying the effects of the project on the stakeholders and in the successful implementation and execution of the subject project. Public involvement is a compulsory feature of environmental assessment, which leads to better and more acceptable decision making. The objective of the consultation with stakeholders is to help verify the environmental and social issues that have been presumed to arise and to identify those which are not known or are unique.

The important general objectives of the consultation process are:

- Information dissemination, education and liaison
- Informing the stakeholders about the subject project
- Providing an opportunity to local public to raise their views and helping in more sensitive considerations for the formation of mitigation measures for the subject project
- Providing those involved in the planning stage with an opportunity to ensure that the benefits of the proposal are maximized and that no major impacts have been overlooked
- It provides an opportunity to local public to influence the design of project in a positive

manner

- Increasing public confidence in front of proponent, reviewers and decision makers
- Identification of problems and needs of the stakeholders and public
- Providing better transparency and accountability in decision making stage;
- Reducing conflicts through early identification of contentious issues and working on them to find acceptable solutions
- Reaction, comment and feedback of stakeholders on project
- Developing proposal which are truly sustainable

METHODOLOGY OF CONSULTATION:

The EIA team carried out public consultations at various locations around the project site. The stakeholder's consultation during this phase of the work targeted the project area, administrative and private offices, villagers, shops, passer-by etc. near the project area:

- 1) Selection of the stakeholders for consultation, reconnaissance of the project site and initial discussions with the neighboring residents, shopkeepers, drivers etc.
- 2) Environmental consultants and social specialists documenting the opinions of the stakeholders expressed during the meetings etc.

STAKEHOLDER IDENTIFICATION:

Stakeholders considered at all levels according to the importance of the project. They are at provincial, district and local level. The process of consultation is an ongoing process which continues during the project life cycle and even after the submission of this environmental assessment report and so on. Therefore, three-tier approach was adopted. Stakeholders were identified, categorized and consulted at provincial, district level & local level.

Consultations with government, provincial and district level departments were carried out through meetings and visits while consultations with locals, neighbors and directly affected peoples were under taken during baseline study of the area.

A series of public consultations were required to get the feedback/ concerns of the different departments, Industries, local public and general public residing near the subject area.

PROPONENT:

Possible impacts and mitigation measures related to the said project were discussed with the project proponent and management. They assured to take all suggested mitigation measures to control any discrepancy arose by the project and to make the project environment friendly.

RESPONSIBLE AUTHORITY:

Management of M/s CCBPL is the responsible authority to take all measures throughout the life cycle of the project.

OTHER DEPARTMENTS AND AGENCIES:

For the impact analysis detailed meetings were held with the management of M/s CCBPL, local community, institutes and NGOs. Issues were discussed that may affect the environment and also the implementation of said project. All possible mitigation measures were considered and incorporated in the Environmental Management Plan.

Scoping sessions, focused group discussion and way side consultations were held with the relevant stakeholders in the area. The purpose of such consultations is to obtain the feedback from the relevant persons.

ENVIRONMENTAL PRACTITIONERS AND EXPERTS:

Team of A.S Enterprises (Environmental & Legal Consultancy) visited the project site, had discussions with stakeholders and consulted with the local people of nearby and other neighborhoods to evaluate the project socio-economic impacts. Most of the people are unemployed and somehow educated, few of them get middle/high/ higher secondary level education and working as employee. People provide the massive information about the project and have positive remarks regarding the project development.

AFFECTED & WIDER COMMUNITY:

There is no affected community present in the radius of our study area. Consultant team has consulted with the inhabitants of the nearby area of proposed project site. They provided positive remarks regarding the said project. Stakeholders' participation Performa's and socioeconomic questionnaire were get filled by the inhabitants to evaluate the project socio-economic impacts.

REMARKS

In conclusion, the public consultation and stakeholder participation process played a constructive and meaningful role in the project planning and decision-making process. Active engagement with local communities, relevant government departments, and other stakeholders helped in identifying key environmental and social concerns at an early stage. The feedback received was carefully considered and, where feasible, incorporated into the project design and mitigation measures, thereby enhancing the overall acceptability and sustainability of the

project.

The consultation process also fostered transparency, trust, and mutual understanding between the project proponent and stakeholders. Most participants expressed a positive attitude toward the project, recognizing its potential socio-economic benefits, including employment opportunities and local development, provided that environmental safeguards are properly implemented. Overall, effective stakeholder participation has strengthened the project's environmental management framework and demonstrates the proponent's commitment to responsible, inclusive, and sustainable development.

CHAPTER – 7

CONCLUSION & RECOMMENDATION

Based on the study conducted for Environmental Impact Assessment (EIA) for the subject project, the following conclusions are made:

CONCLUSION:

The EIA study reveals that the project is economically viable and socially acceptable and the proponent will implement the project in the environment friendly manner. He will adopt all the necessary measures to control any impact if resulting from the project. He is providing the safe drinking water, safe working environment, proper training and first aid facility to all workers and staff. The project is generating additional jobs during operation phases.

RECOMMENDATIONS:

- In view of the comprehensive screening process and findings of the present study there is no need of conducting further investigations.
- Tree plantation inside and near the project area is recommended.
- The Management of CCBPL should continue to assist the local communities as a corporate/social responsibility (CSR).
- Use of narcotics and smoking is prohibited during working, filling or handling of fuel.
- PPEs must be provided to workers such as gloves, masks, etc.
- Proper solid waste management system must be adopted.
- Safety signs, safety board's etc. must be placed on site during various developmental stages.
- Machinery never being left in running condition.
- First Aid measures, health & safety Equipment (PPEs) are being provided to workers.
- The management of subject project will assist the local communities as a corporate social responsibility.
- Jobs and employment are being provided to the local area.

The present EIA report is enough to meet the administrative and legal framework. After the complete study of the project, it is concluded that project will not have significant adverse impacts on the nearby community and on environment. Overall, the project will have positive impacts on the local population and country as a whole. Therefore, it is requested for the environmental approval for the subject project.

REFERENCES

- Punjab Environmental Regulation Rules, 2022
- *section 12 of Punjab Environmental Protection Act, 2012*
- Pakistan Environmental protection act 1997
- Guideline for the Environmental Assessment
- National Conservation Strategy- Pakistan
- Guideline for the public consultation
- National Resettlement Policy and Ordinance
- National Environmental Quality Standards (Self-monitoring and reporting by the industry)
- Labor laws
- Canal and Drainage Act, 1873
- National Environmental Policy 2005.
- Meteorological data from meteorological department and website
- Pakistan Biosafety rules 2005
- Punjab Environmental Protection agency (review of IEE/EIA) regulation 2000.
- Sectorial Guideline for environmental reports,
- Pakistan Environmental Protection ordinance (PEPO), 1983
- OSHAS 18000 for health and safety
- US EPA

ANNEXURE-A
PROPONENT CNIC

PAKISTAN National Identity Card
ISLAMIC REPUBLIC OF PAKISTAN

Name
Ubaid Ur Rehman
عبدالرحمن

Father Name
Muhammad Irshad
محمد ایشاد

Gender: **M** | Country of Stay: **Pakistan**

Identity Number: **38104-6974332-3** | Date of Birth: **01.08.1990**

Date of Issue: **09.12.2017** | Date of Expiry: **09.12.2027**

Holder's Signature

01870

CS CamScanner

38104-6974332-3

موجودہ پتہ: مکان نمبر 786، سٹریٹ نمبر 23، محلہ گلستان کالونی
مصطفی آباد، لاہور کینٹ، ضلع لاہور

مستقل پتہ: ڈاک خانہ خاص، چیک نمبر 167 ایم ایل، تحصیل
منگھڑہ، ضلع بہاول

108131376449

Registrar General of Pakistan

گمشدہ کارڈ ملنے پر قریبی لیڈ بکس میں ڈال دیں

CS CamScanner

ANNEXURE-B

LAB REPORTS



Green Crescent

Environmental Consultants (Pvt) Ltd.



Punjab-EPA Certified

Lahore Laboratory

Federal-EPA Certified

Islamabad Laboratory

Monitoring Report

- Ambient Air
- Stack Emissions
- Noise Level Monitoring

**COCA COLA
BEVERAGES
PAKISTAN LTD**

10th Nov. 2025

Job Reference No.: GCEC-PK-PU-367/2025

Green Crescent Environmental Consultant Pvt. Ltd.

has prepared this report in accordance with the instructions of
Client for their specific purpose. Any other individuals using the content presented in
the document shall do so at their own liability

© GCEC Pvt. Limited

House No. 368-B Block B, Canal View, Lahore

Tel: +92 42 35962885

executive.bd@gcee.pk

www.gceec.com



Green Crescent

Environmental Consultants (Pvt) Ltd.



Punjab-EPA Certified
Lahore Laboratory
Federal-EPA Certified
Islamabad Laboratory

Client Detail:

Name of Contact Person:	Ms. Shagufta Irfan
Contact Number:	+92-302 8383456
Email:	sirfan@ccbpl.com.pk
Address:	Plot # 141-148 & 163-170, Industrial Estate Phase II, Multan, Pakistan

GCEC Details:

Director:	Mr. Mian Khurram Usman
Telephone:	+92 42 35962885
Fax:	+92 42 35962884
Email:	manager.operations@gcee.ae
Address	House No. 368-B Block B, Canal View, Lahore

Signatories:

Zara Yousaf
(Coordination Department)

Ambient Air Monitoring Location # 1

WWTP

(Coca Cola Beverages Pakistan Ltd)
(Multan)



Ambient Air Quality Monitoring

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Reference Number	GCEC-PK-PU-367/2025
Monitoring Point	WWTP
Date of Intervention	03-Nov-2025 to 04-Nov-2025
Coordinates	0°07'18.1"N 71°22'19.6"E

Sr. #	Time	CO (mg/m ³)	NO (µg/m ³)	NO ₂ (µg/m ³)	NO _x (µg/m ³)	SO ₂ (µg/m ³)
1.	12:30	2.03	23.91	40.07	63.97	31.36
2.	13:30	2.20	27.66	37.20	64.85	28.38
3.	14:30	2.15	25.02	31.88	56.90	27.75
4.	15:30	2.09	22.16	34.68	56.84	27.22
5.	16:30	2.54	21.33	41.56	62.88	28.71
6.	17:30	3.01	25.74	35.57	61.31	27.08
7.	18:30	3.08	23.25	33.04	56.29	25.84
8.	19:30	3.10	24.78	30.70	55.48	26.23
9.	20:30	2.18	24.34	31.17	55.51	25.71
10.	21:30	2.15	21.52	37.64	59.16	26.36
11.	22:30	2.18	21.75	41.86	63.61	26.27
12.	23:30	2.14	25.80	36.17	61.97	25.90
13.	00:30	2.98	27.47	32.12	59.60	26.23
14.	01:30	1.92	22.37	31.23	53.60	27.95
15.	02:30	1.78	22.97	35.12	58.09	25.97
16.	03:30	1.82	28.33	32.73	61.07	26.23
17.	04:30	2.97	21.52	37.32	58.84	27.40
18.	05:30	1.88	22.55	35.94	58.49	27.86
19.	06:30	1.84	25.76	31.36	57.12	27.73
20.	07:30	1.70	24.64	36.90	61.55	28.58
21.	08:30	2.80	22.02	40.44	62.46	30.32
22.	09:30	1.86	25.11	34.53	59.64	29.03
23.	10:30	2.20	23.33	38.97	62.30	27.66
24.	11:30	2.90	21.90	40.86	62.76	27.79
Average Concentration		2.73	23.97	35.79	59.76	27.48

Deputy Analyst:

Reviewed By:

Approved By:

Ambient Air Quality Monitoring

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Reference Number	GCEC-PK-PU-367/2025
Monitoring Point	WWTP
Date of Intervention	03-Nov-2025 to 04-Nov-2025
Coordinates	0°07'18.1"N 71°22'19.6"E

Parameter	Unit	Monitoring Duration	LDL	Average Obtained Concentration	PEQS
Nitrogen Dioxide (NO ₂)	µg/m ³	24 Hours	1.00	35.79	80.0
Nitrogen oxide (NO)	µg/m ³	24 Hours	1.00	23.97	40.0
NO _x	µg/m ³	24 Hours	1.00	59.76	120.0
Sulphur Dioxide (SO ₂)	µg/m ³	24 Hours	1.00	27.48	120.0
Carbon Monoxide (CO)	mg/m ³	08 Hours	0.01	2.73	5.0*
Ozone (O ₃)	µg/m ³	01 Hour	-	24.04	130.0**
Particulate Matter (PM ₁₀)	µg/m ³	24 Hours	1.00	124.95	150.0
Particulate Matter (PM _{2.5})	µg/m ³	24 Hours	1.00	59.12	35.0
Suspended Particulate Matter (SPM)	µg/m ³	24 Hours	1.00	219.07	500.0
Lead Airborne Particles	µg/m ³	24 Hours	-	0.19	1.5

Abbreviations:

LDL= Lowest Detection Limit

PEQS= Punjab Environmental Quality Standards

*(8 Hours standard for CO)

** (1 Hour standard for O₃)

µg/m³= Micrograms per Cubic Meter

mg/m³= Milligram per Cubic Meter

Deputy Analyst:

Reviewed By:

Approved By:

Meteorological Data

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Reference Number	GCEC-PK-PU-367/2025
Monitoring Point	WWTP
Date of Intervention	03-Nov-2025 to 04-Nov-2025
Coordinates	0°07'18.1"N 71°22'19.6"E

Time	Ambient Temperature °C	Wind Direction	Wind Velocity m/s	Humidity %	Pressure (mm of Hg)
12:30	33	NW	2.8	37	753.8
13:30	34	NW	2.5	34	747.2
14:30	34	W	2.4	34	749.6
15:30	34	W	2.8	32	753.2
16:30	33	NW	2.7	37	748.3
17:30	31	N	2.4	38	752.5
18:30	30	NE	2.1	39	751.5
19:30	29	NE	2.2	40	750.6
20:30	29	NE	2.0	42	753.8
21:30	29	E	2.4	43	752.7
22:30	28	E	2.5	44	752.0
23:30	27	NE	2.0	46	752.4
00:30	27	E	3.9	48	750.9
01:30	27	N	1.7	49	752.4
02:30	26	N	2.1	52	750.2
03:30	26	NW	2.0	53	754.6
04:30	26	W	1.8	54	751.5
05:30	26	W	4.0	55	752.6
06:30	27	NW	2.8	57	753.6
07:30	28	W	2.7	52	750.3
08:30	30	NW	2.9	46	751.3
09:30	31	N	2.4	40	750.4
10:30	32	NE	2.0	37	751.6
11:30	33	E	2.3	36	752.5

Deputy Analyst:

Reviewed By:

Approved By:

Noise Level Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Reference Number	GCEC-PK-PU-367/2025
Monitoring Point	WWTP
Date of Intervention	03-Nov-2025 to 04-Nov-2025
Coordinates	0°07'18.1"N 71°22'19.6"E

Sr. #	Time	Method/Technique	Unit	Results LAavg	PEQS (Industrial)
Night Time					
1.	23:30	Noise Meter	dB	54.8	65.0
2.	00:30	Noise Meter	dB	58.6	
3.	01:30	Noise Meter	dB	52.6	
4.	02:30	Noise Meter	dB	56.7	
5.	03:30	Noise Meter	dB	54.1	
6.	04:30	Noise Meter	dB	53.3	
7.	05:30	Noise Meter	dB	55.5	
8.	06:30	Noise Meter	dB	55.0	
Night Time Average			dB	55.09	65.0
Day Time					
9.	07:30	Noise Meter	dB	56.5	75.0
10.	08:30	Noise Meter	dB	61.0	
11.	09:30	Noise Meter	dB	54.8	
12.	10:30	Noise Meter	dB	62.9	
13.	11:30	Noise Meter	dB	57.6	
14.	12:30	Noise Meter	dB	51.0	
15.	13:30	Noise Meter	dB	59.8	
16.	14:30	Noise Meter	dB	64.6	
17.	15:30	Noise Meter	dB	62.6	
18.	16:30	Noise Meter	dB	62.1	
19.	17:30	Noise Meter	dB	65.4	
20.	18:30	Noise Meter	dB	66.7	
21.	19:30	Noise Meter	dB	69.5	
22.	20:30	Noise Meter	dB	59.5	
23.	21:30	Noise Meter	dB	67.3	
24.	22:30	Noise Meter	dB	62.0	
Day Time Average			dB	61.45	75.0

Deputy Analyst:

Reviewed By:

Approved By:

Stack Emission Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

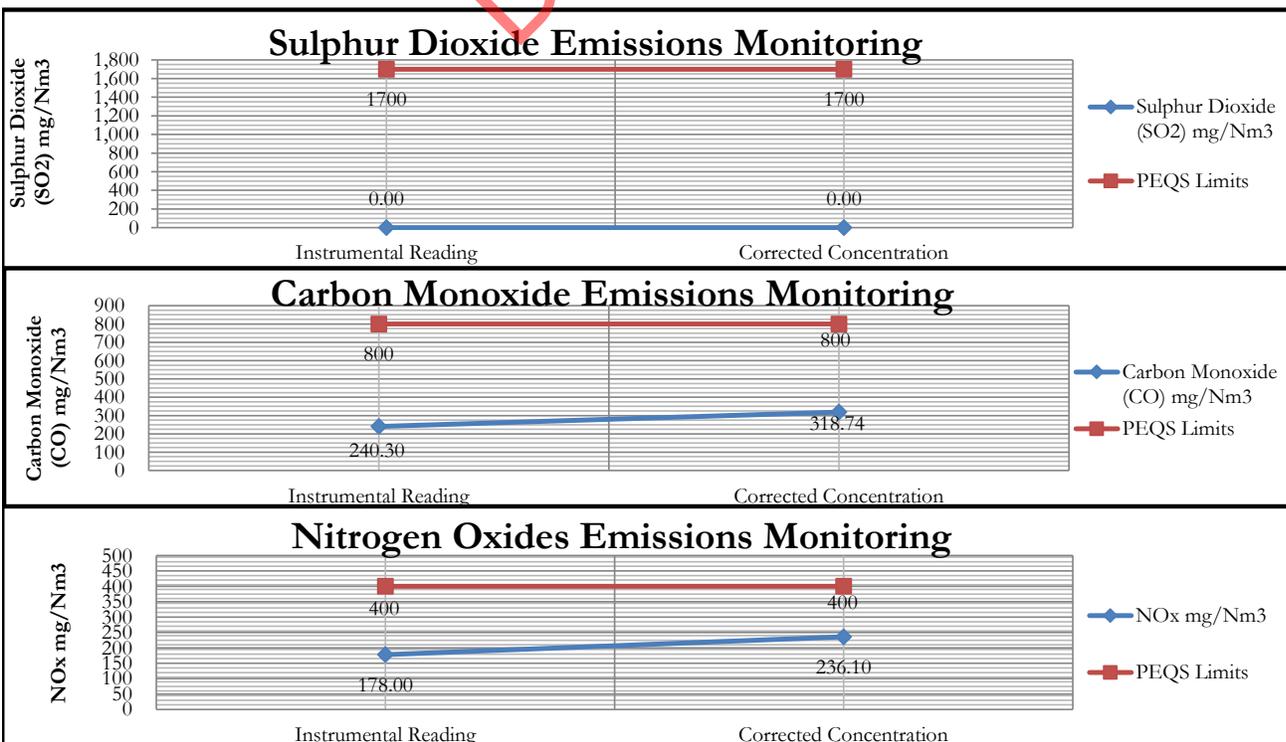
Client Name: Coca Cola Beverages Pakistan Ltd
Job Number: GCEC-PK-PU-367/2025

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results				
Monitoring Point:	Boiler	Monitoring Time:	14:43	
Fuel Type:	Natural Gas	Monitoring Date:	3-Nov-2025	
Monitoring Location:	Multan	Instrument Used:	Lancom-IV	
Capacity:	8 Ton			
Parameters	Unit	Instrumental Reading	Corrected Concentration	Limits as per PEQS
Carbon Monoxide (CO)	mg/Nm ³	240.30	318.74	800
Sulphur Dioxide (SO ₂)	mg/Nm ³	0.00	0.00	1700
Nitrogen Dioxide (NO ₂)	mg/Nm ³	27.00	35.81	-
Nitrogen Oxide (NO)	mg/Nm ³	151.00	200.29	-
NO _x	mg/Nm ³	178.00	236.10	400*
Smoke	Ringlemann	1.00		2
Particulate Matter	mg/Nm ³	34.20		-

*Levels of NO _x according to Fuel type as per PEQS	
Oil Fired	600
Coal Fired	1200
Gas Fired	400

Abbreviations
PEQS=Punjab Environmental Quality Standards
mg/Nm ³ =Milligram/Normal meter cube



Deputy Analyst:

Reviewed by:

Approved By:

Stack Emission Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Client Name: Coca Cola Beverages Pakistan Ltd
Job Number: GCEC-PK-PU-367/2025

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results

Monitoring Point:	Boiler	Monitoring Time:	15:24
Fuel Type:	Diesel	Monitoring Date:	3-Nov-2025
Load	On Load	Instrument Used:	Lancom-IV
Monitoring Location:	Multan	Capacity:	8 Ton

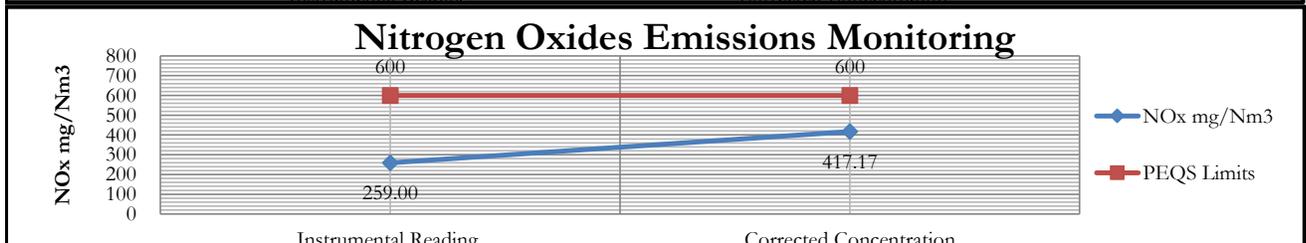
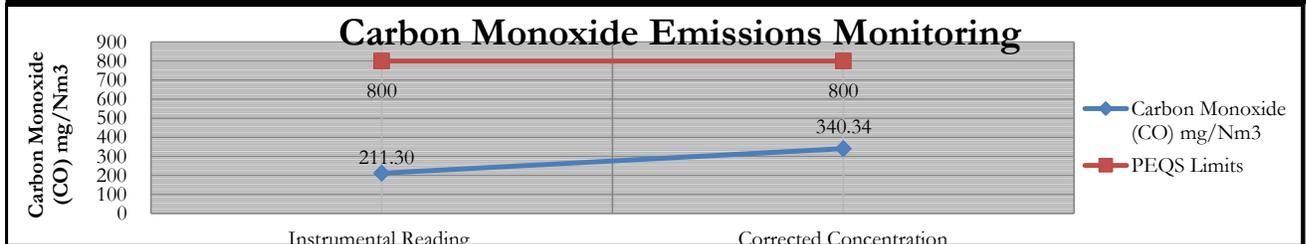
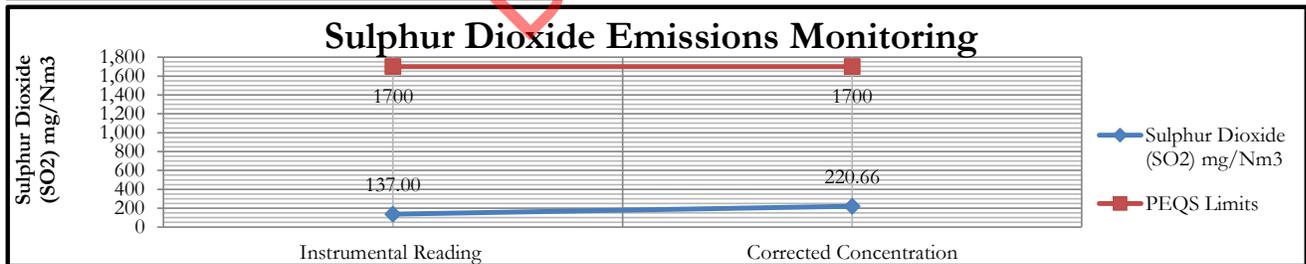
Parameters	Unit	Instrumental Reading	Corrected Concentration	Limits as per PEQS
Carbon Monoxide (CO)	mg/Nm ³	211.30	340.34	800
Sulphur Dioxide (SO ₂)	mg/Nm ³	137.00	220.66	1700
Nitrogen Dioxide (NO ₂)	mg/Nm ³	41.00	66.04	-
Nitrogen Oxide (NO)	mg/Nm ³	218.00	351.13	-
NOx	mg/Nm ³	259.00	417.17	600*
Smoke	Ringlemann		1.00	2
Particulate Matter	mg/Nm ³		41.30	300

***Levels of NOx according to Fuel type as per PEQS**

Oil Fired	600
Coal Fired	1200
Gas Fired	400

Abbreviations

PEQS=Punjab Environmental Quality Standards
mg/Nm ³ =Milligram/Normal meter cube



Deputy Analyst:

Reviewed by:

Approved By:

Stack Emission Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

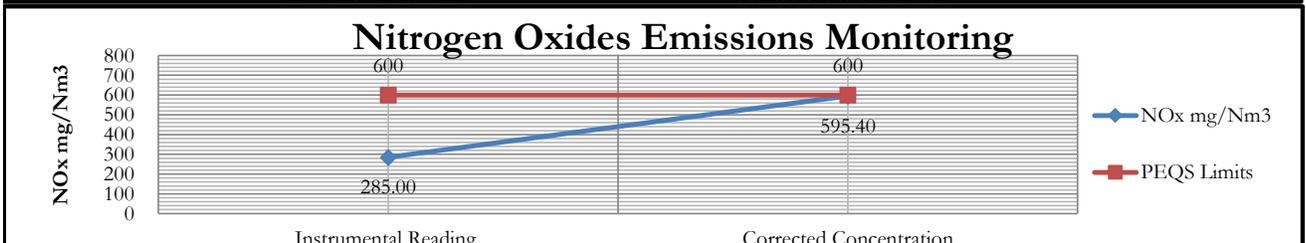
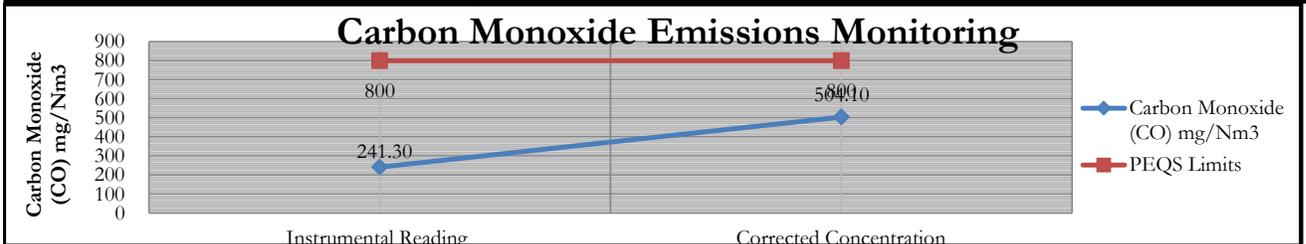
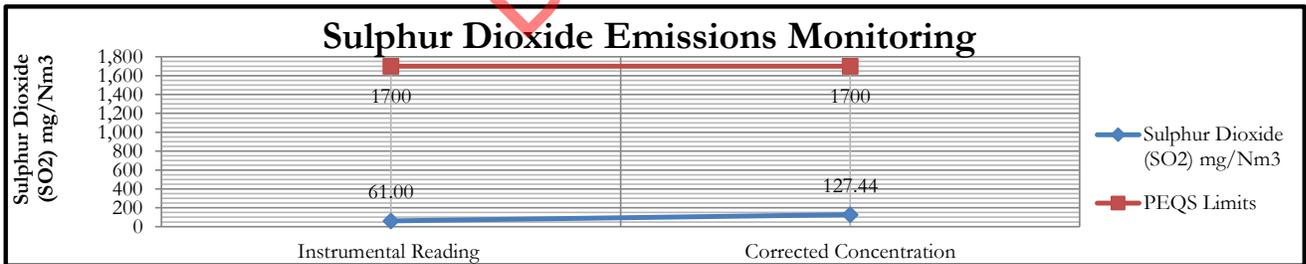
Client Name: Coca Cola Beverages Pakistan Ltd
Job Number: GCEC-PK-PU-367/2025

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results				
Monitoring Point:	Genertor 1	Monitoring Time:	16:49	
Load:	On Load	Monitoring Date:	3-Nov-2025	
Fuel Type:	Diesel	Instrument Used:	Lancom-IV	
Monitoring Location:	Multan			
Parameters	Unit	Instrumental Reading	Corrected Concentration	Limits as per PEQS
Carbon Monoxide (CO)	mg/Nm ³	241.30	504.10	800
Sulphur Dioxide (SO ₂)	mg/Nm ³	61.00	127.44	1700
Nitrogen Dioxide (NO ₂)	mg/Nm ³	49.00	102.37	-
Nitrogen Oxide (NO)	mg/Nm ³	236.00	493.03	-
NO _x	mg/Nm ³	285.00	595.40	600*
Smoke	Ringlemann	1.00		2
Particulate Matter	mg/Nm ³	50.40		300

*Levels of NO _x according to Fuel type as per PEQS	
Oil Fired	600
Coal Fired	1200
Gas Fired	400

Abbreviations
PEQS=Punjab Environmental Quality Standards
mg/Nm ³ =Milligram/Normal meter cube



Deputy Analyst:

Reviewed by:

Approved By:

Stack Emission Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

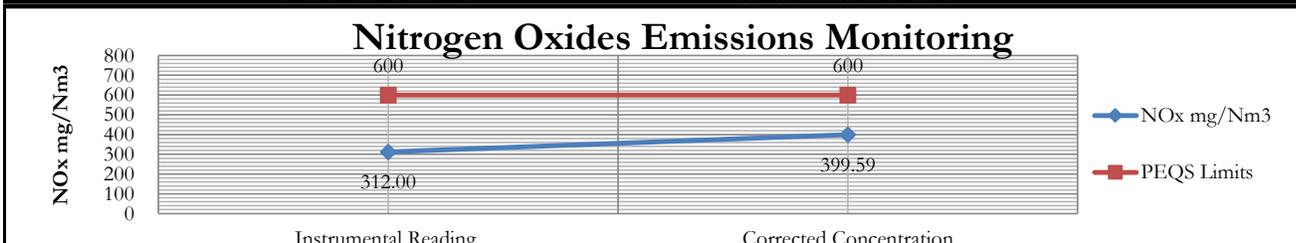
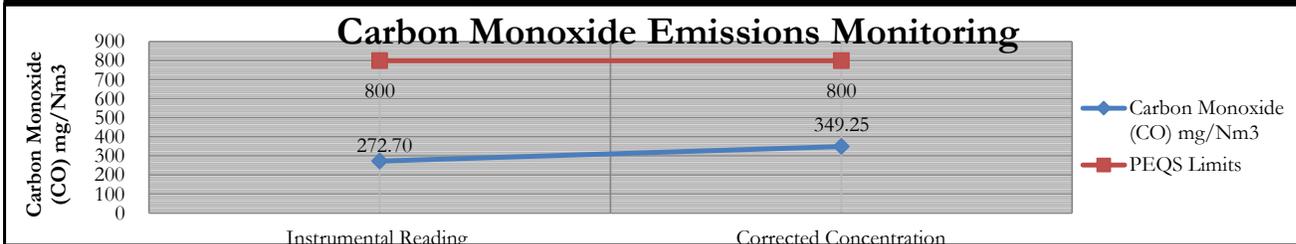
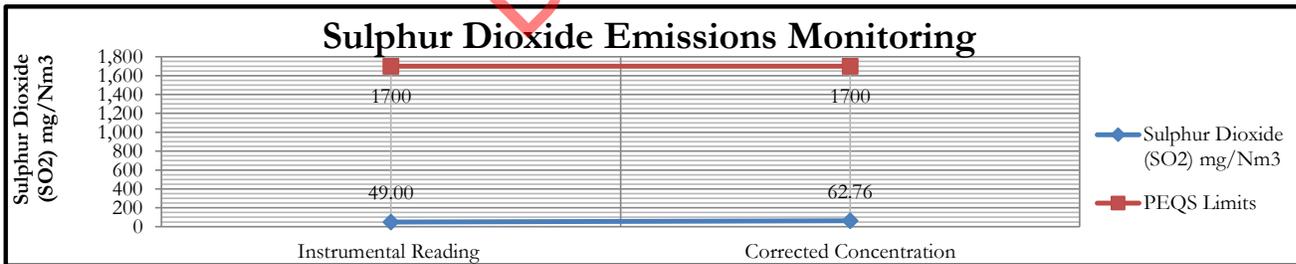
Client Name: Coca Cola Beverages Pakistan Ltd
Job Number: GCEC-PK-PU-367/2025

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results				
Monitoring Point:	Genertor 3	Monitoring Time:	16:53	
Load:	On load	Monitoring Date:	3-Nov-2025	
Fuel Type:	Diesel	Instrument Used:	Lancom-IV	
Monitoring Location:	Multan			
Parameters	Unit	Instrumental Reading	Corrected Concentration	Limits as per PEQS
Carbon Monoxide (CO)	mg/Nm ³	272.70	349.25	800
Sulphur Dioxide (SO ₂)	mg/Nm ³	49.00	62.76	1700
Nitrogen Dioxide (NO ₂)	mg/Nm ³	32.00	40.98	-
Nitrogen Oxide (NO)	mg/Nm ³	280.00	358.60	-
NOx	mg/Nm ³	312.00	399.59	600*
Smoke	Ringlemann	1.00		2
Particulate Matter	mg/Nm ³	55.30		300

*Levels of NOx according to Fuel type as per PEQS	
Oil Fired	600
Coal Fired	1200
Gas Fired	400

Abbreviations
PEQS=Punjab Environmental Quality Standards
mg/Nm ³ =Milligram/Normal meter cube



Deputy Analyst:

Reviewed by:

Approved By:

Stack Emission Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

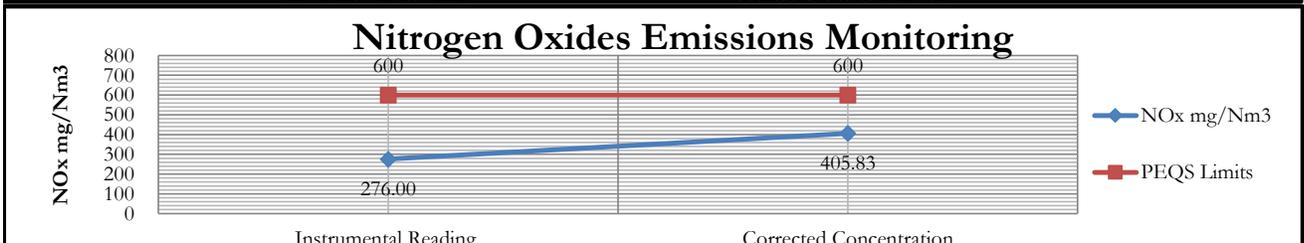
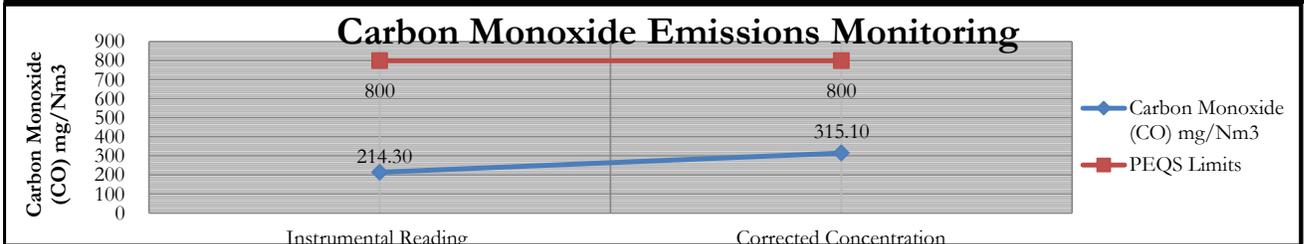
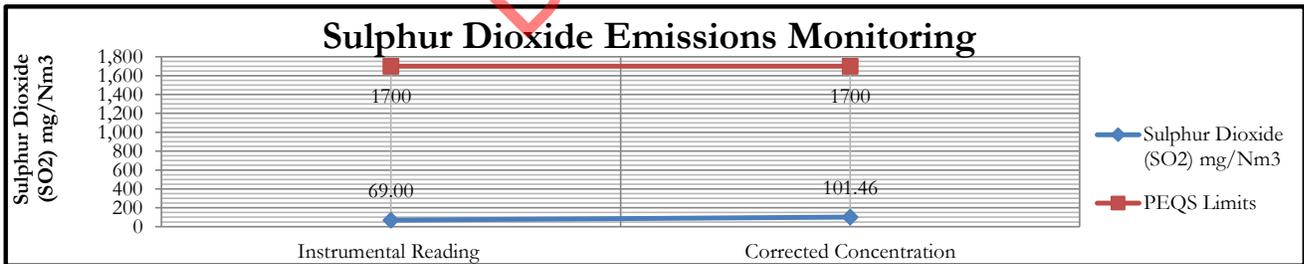
Client Name: Coca Cola Beverages Pakistan Ltd
Job Number: GCEC-PK-PU-367/2025

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results				
Monitoring Point:	Genertor 4	Monitoring Time:	16:57	
Load:	On Load	Monitoring Date:	3-Nov-2025	
Fuel Type:	Diesel	Instrument Used:	Lancom-IV	
Monitoring Location:	Multan			
Parameters	Unit	Instrumental Reading	Corrected Concentration	Limits as per PEQS
Carbon Monoxide (CO)	mg/Nm ³	214.30	315.10	800
Sulphur Dioxide (SO ₂)	mg/Nm ³	69.00	101.46	1700
Nitrogen Dioxide (NO ₂)	mg/Nm ³	38.00	55.87	-
Nitrogen Oxide (NO)	mg/Nm ³	238.00	349.95	-
NOx	mg/Nm ³	276.00	405.83	600*
Smoke	Ringlemann	1.00		2
Particulate Matter	mg/Nm ³	53.70		300

*Levels of NOx according to Fuel type as per PEQS	
Oil Fired	600
Coal Fired	1200
Gas Fired	400

Abbreviations
PEQS=Punjab Environmental Quality Standards
mg/Nm ³ =Milligram/Normal meter cube



Deputy Analyst:

Reviewed by:

Approved By:

Stack Emission Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

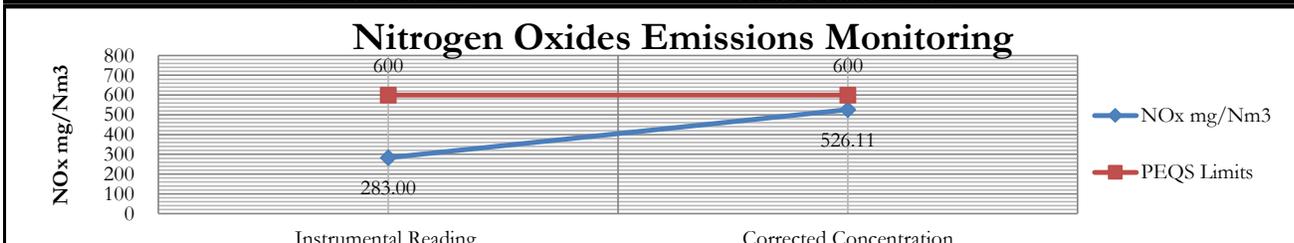
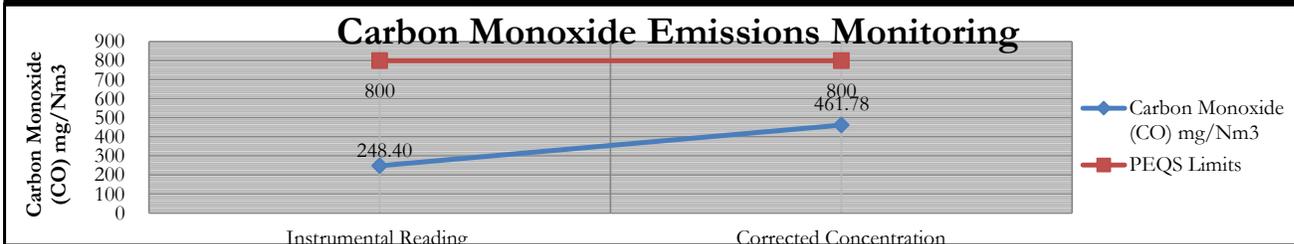
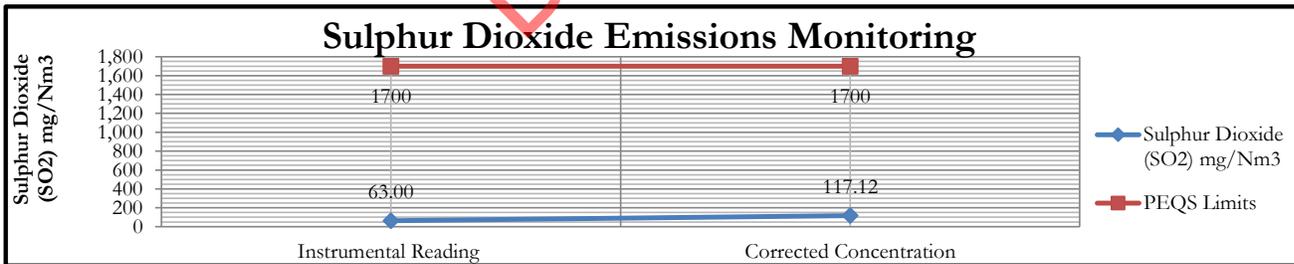
Client Name: Coca Cola Beverages Pakistan Ltd
Job Number: GCEC-PK-PU-367/2025

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results				
Monitoring Point:	Genertor 5	Monitoring Time:	17:00	
Load:	On Load	Monitoring Date:	3-Nov-2025	
Fuel Type:	Diesel	Instrument Used:	Lancom-IV	
Monitoring Location:	Multan			
Parameters	Unit	Instrumental Reading	Corrected Concentration	Limits as per PEQS
Carbon Monoxide (CO)	mg/Nm ³	248.40	461.78	800
Sulphur Dioxide (SO ₂)	mg/Nm ³	63.00	117.12	1700
Nitrogen Dioxide (NO ₂)	mg/Nm ³	41.00	76.22	-
Nitrogen Oxide (NO)	mg/Nm ³	242.00	449.89	-
NOx	mg/Nm ³	283.00	526.11	600*
Smoke	Ringlemann	1.00		2
Particulate Matter	mg/Nm ³	62.10		300

*Levels of NO _x according to Fuel type as per PEQS	
Oil Fired	600
Coal Fired	1200
Gas Fired	400

Abbreviations
PEQS=Punjab Environmental Quality Standards
mg/Nm ³ =Milligram/Normal meter cube



Deputy Analyst:

Reviewed by:

Approved By:

Stack Emission Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

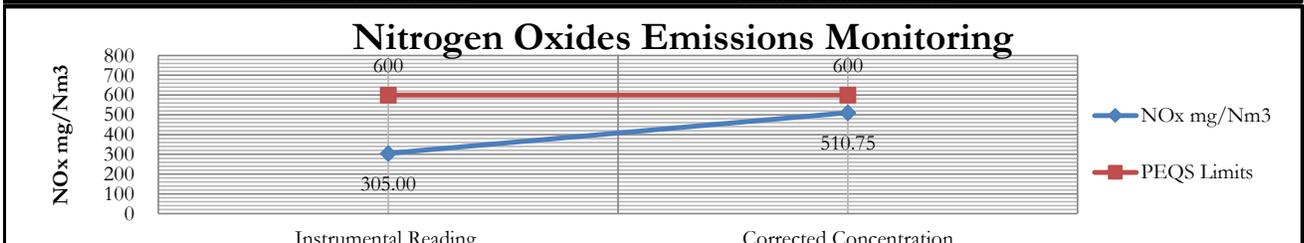
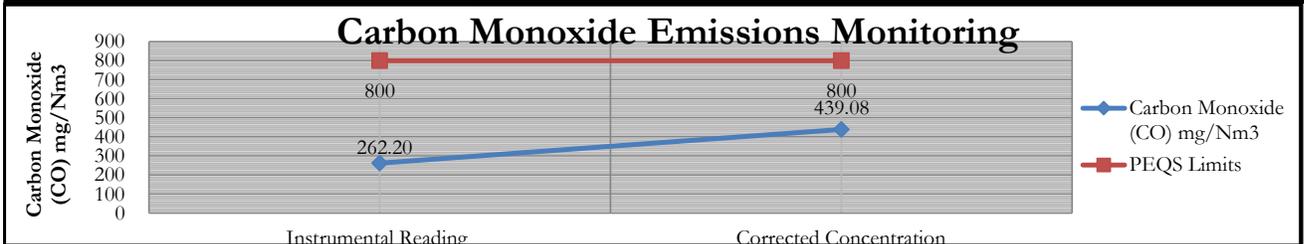
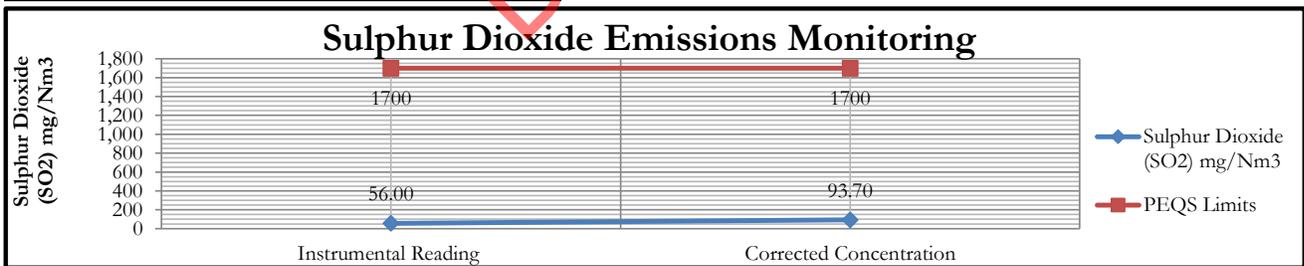
Client Name: Coca Cola Beverages Pakistan Ltd
Job Number: GCEC-PK-PU-367/2025

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results				
Monitoring Point:	Genertor 2	Monitoring Time:	17:05	
Load:	On Load	Monitoring Date:	3-Nov-2025	
Fuel Type:	Diesel	Instrument Used:	Lancom-IV	
Monitoring Location:	Multan			
Parameters	Unit	Instrumental Reading	Corrected Concentration	Limits as per PEQS
Carbon Monoxide (CO)	mg/Nm ³	262.20	439.08	800
Sulphur Dioxide (SO ₂)	mg/Nm ³	56.00	93.70	1700
Nitrogen Dioxide (NO ₂)	mg/Nm ³	46.00	77.03	-
Nitrogen Oxide (NO)	mg/Nm ³	259.00	433.72	-
NOx	mg/Nm ³	305.00	510.75	600*
Smoke	Ringlemann	1.00		2
Particulate Matter	mg/Nm ³	47.30		300

*Levels of NOx according to Fuel type as per PEQS	
Oil Fired	600
Coal Fired	1200
Gas Fired	400

Abbreviations
PEQS=Punjab Environmental Quality Standards
mg/Nm ³ =Milligram/Normal meter cube



Deputy Analyst:

Reviewed by:

Approved By:

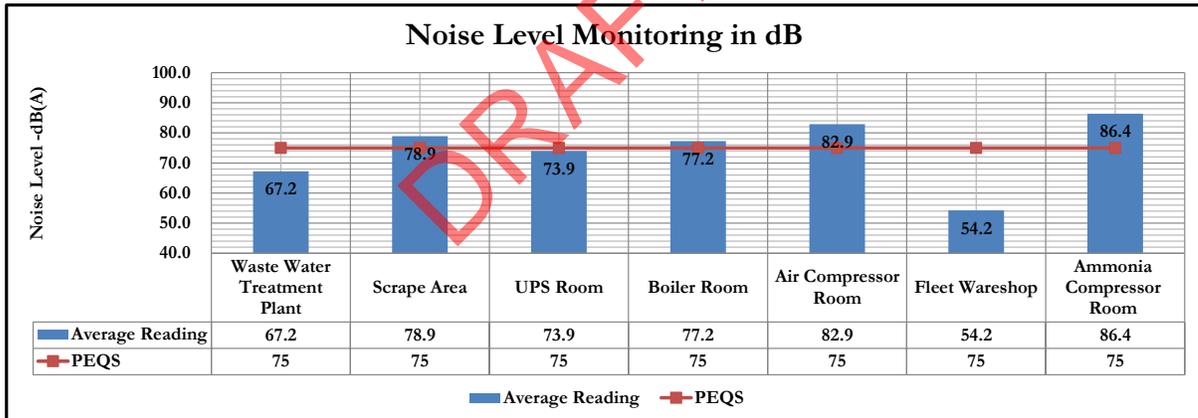
Noise Level Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals,

or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Ref. Number: GCEC-PK-PU-367/2025 **Reporting Date:** 10-Nov-2025
Client Name: Coca Cola Beverages Pakistan Ltd
Monitoring Date: 3-Nov-2025
Monitoring Location: Multan

Monitoring Point Details & Monitoring Results (Day)							
Sr.No	Points	Unit	Reading 01	Reading 02	Reading 03	Average Reading	Limits as per PEQS
1	Waste Water Treatment Plant	dB(A)	65.3	67.01	69.3	67.2	75
2	Scrape Area		76.1	79.3	81.2	78.9	
3	UPS Room		73.4	74.6	73.8	73.9	
4	Boiler Room		74.9	76.5	80.33	77.2	
5	Air Compressor Room		81.3	83.4	83.9	82.9	
6	Fleet Wareshop		53.8	54.2	54.7	54.2	
7	Ammonia Compressor Room		85.5	87.2	88.4	86.4	



Abbreviations:

PEQS = Punjab Environmental Quality Standards

dB = Decibel

Deputy Analyst

Reviewed By:

Approved By:

Noise Level Monitoring Report

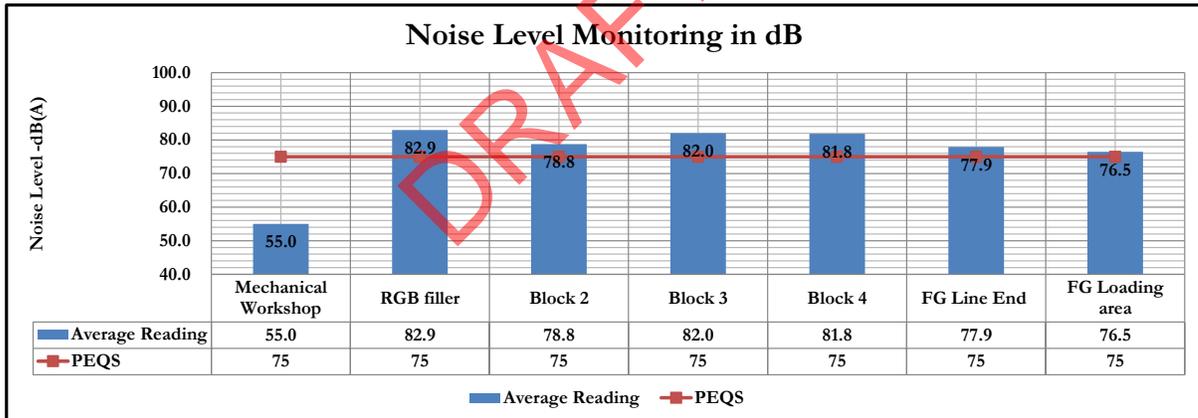
Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Ref. Number: GCEC-PK-PU-367/2025
Client Name: Coca Cola Beverages Pakistan Ltd
Monitoring Date: 3-Nov-2025
Monitoring Location: Multan

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results (Day)

Sr.No	Points	Unit	Reading 01	Reading 02	Reading 03	Average Reading	Limits as per PEQS
8	Mechanical Workshop	dB(A)	54.2	55.1	55.7	55.0	75
9	RGB filler		79.6	83.5	85.7	82.9	
10	Block 2		76.5	79.4	80.4	78.8	
11	Block 3		81.2	82.4	82.4	82.0	
12	Block 4		81.5	81.8	82.1	81.8	
13	FG Line End		76.1	78.3	79.4	77.9	
14	FG Loading area		75.2	76.8	77.4	76.5	



Abbreviations:

PEQS = Punjab Environmental Quality Standards

dB = Decibel

Deputy Analyst

Reviewed By:

Approved By:

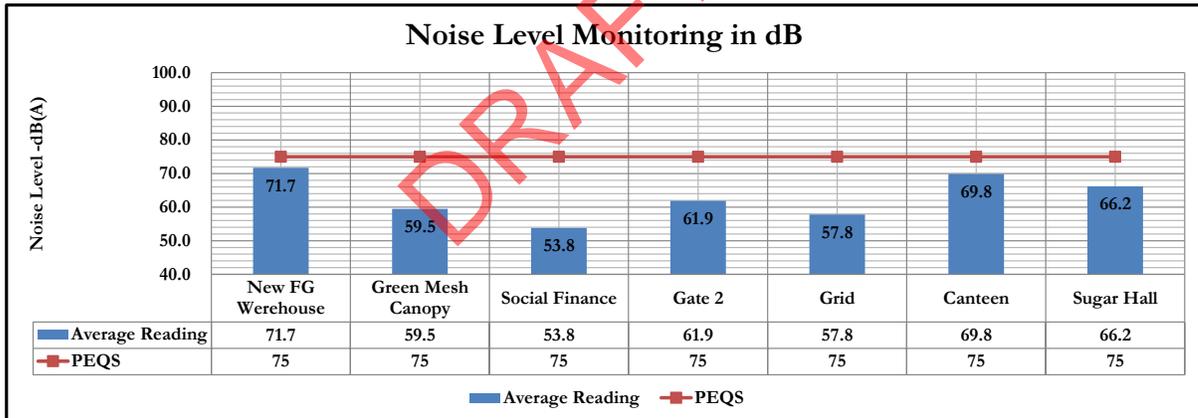
Noise Level Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals, or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Ref. Number: GCEC-PK-PU-367/2025
Client Name: Coca Cola Beverages Pakistan Ltd
Monitoring Date: 3-Nov-2025
Monitoring Location: Multan

Reporting Date: 10-Nov-2025

Monitoring Point Details & Monitoring Results (Day)							
Sr.No	Points	Unit	Reading 01	Reading 02	Reading 03	Average Reading	Limits as per PEQS
15	New FG Warehouse	dB(A)	64.4	68.3	82.4	71.7	75
16	Green Mesh Canopy		57.3	59.9	61.2	59.5	
17	Social Finance		51.8	52.7	56.9	53.8	
18	Gate 2		58.3	62.1	65.3	61.9	
19	Grid		55.7	58.4	59.3	57.8	
20	Canteen		67.2	70.6	71.6	69.8	
21	Sugar Hall		62.7	66.4	69.5	66.2	



Abbreviations:

PEQS = Punjab Environmental Quality Standards

dB = Decibel

Deputy Analyst

Reviewed By:

Approved By:

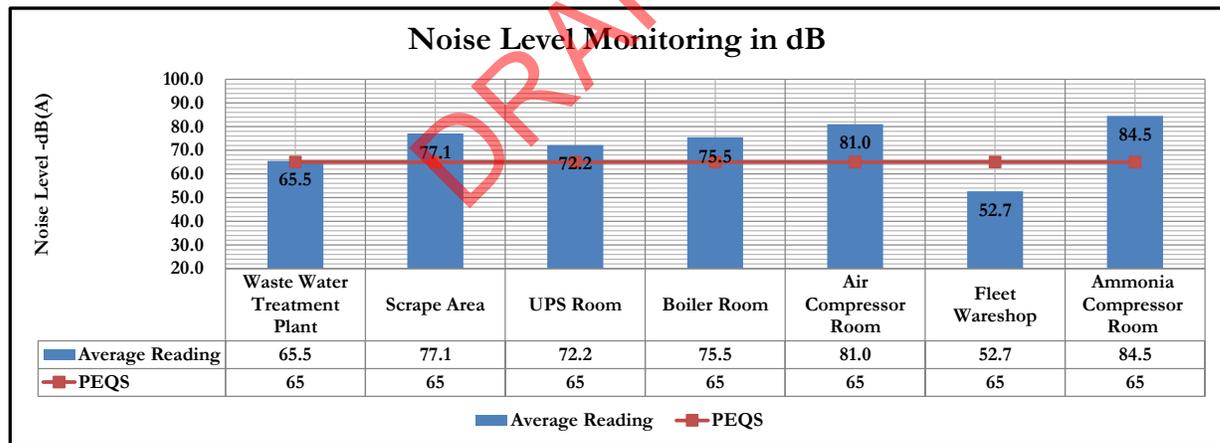
Noise Level Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals,

or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Ref. Number	GCEC-PK-PU-367/2025	Reporting Date: 10-Nov-2025
Client Name:	Coca Cola Beverages Pakistan Ltd	
Monitoring Date:	3-Nov-2025	
Monitoring Location:	Multan	

Monitoring Point Details & Monitoring Results (Night)							
Sr.No	Points	Unit	Reading 01	Reading 02	Reading 03	Average Reading	Limits as per PEQS
1	Waste Water Treatment Plant	dB(A)	63.7	65.3	67.6	65.5	65
2	Scrape Area		74.3	77.5	79.4	77.1	
3	UPS Room		71.7	72.9	72.1	72.2	
4	Boiler Room		73.2	74.7	78.5	75.5	
5	Air Compressor Room		79.5	81.6	82.1	81.0	
6	Fleet Wareshop		52.3	52.7	53.2	52.7	
7	Ammonia Compressor Room		81.7	85.3	86.5	84.5	



Abbreviations:

PEQS = Punjab Environmental Quality Standards

dB = Decibel

Dputy Analyst:

Reviewed By:

Approved By:

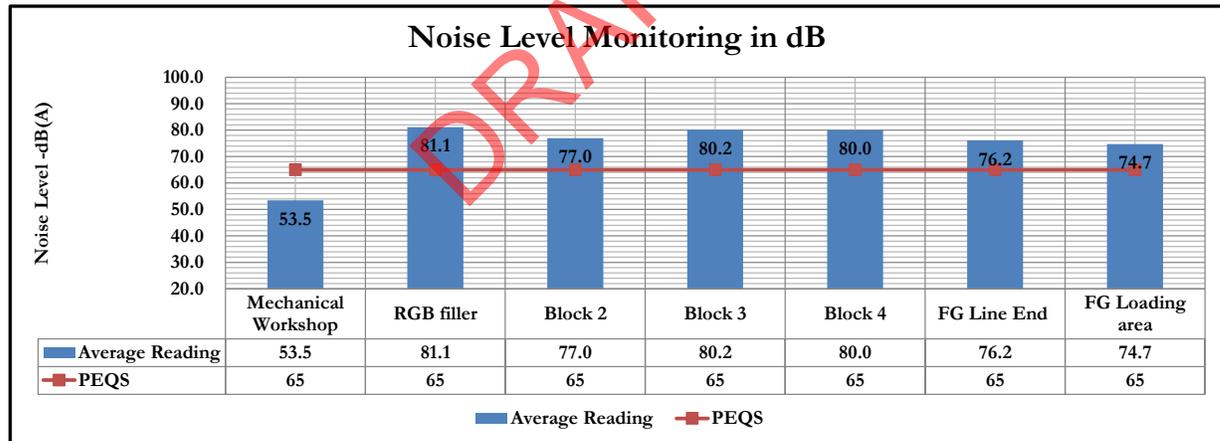
Noise Level Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals,

or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Ref. Number: GCEC-PK-PU-367/2025 **Reporting Date:** 10-Nov-2025
Client Name: Coca Cola Beverages Pakistan Ltd
Monitoring Date: 3-Nov-2025
Monitoring Location: Multan

Monitoring Point Details & Monitoring Results (Night)							
Sr.No	Points	Unit	Reading 01	Reading 02	Reading 03	Average Reading	Limits as per PEQS
8	Mechanical Workshop	dB(A)	52.7	53.6	54.1	53.5	65
9	RGB filler		77.8	81.7	83.9	81.1	
10	Block 2		74.7	77.6	78.6	77.0	
11	Block 3		79.4	80.6	80.6	80.2	
12	Block 4		79.7	80.0	80.3	80.0	
13	FG Line End		74.3	76.5	77.6	76.2	
14	FG Loading area		73.5	75.0	75.6	74.7	



Abbreviations:

PEQS = Punjab Environmental Quality Standards

dB = Decibel

Dputy Analyst:

Reviewed By:

Approved By:

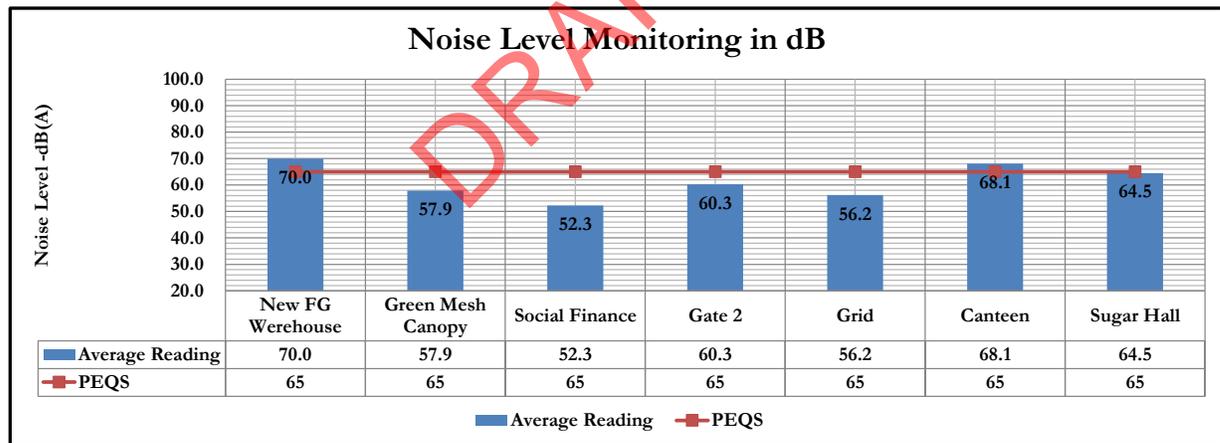
Noise Level Monitoring Report

Disclaimer: This report is not valid for Court Cases, Environment Protection Orders, Compliance Report for Operational Phase Approvals,

or any regulatory action under Punjab Environmental Protection (Smog Prevention and Control) Rules, 2023 etc.

Job Ref. Number: GCEC-PK-PU-367/2025 **Reporting Date:** 10-Nov-2025
Client Name: Coca Cola Beverages Pakistan Ltd
Monitoring Date: 3-Nov-2025
Monitoring Location: Multan

Monitoring Point Details & Monitoring Results (Night)							
Sr.No	Points	Unit	Reading 01	Reading 02	Reading 03	Average Reading	Limits as per PEQS
15	New FG Warehouse	dB(A)	62.8	66.6	80.6	70.0	65
16	Green Mesh Canopy		55.7	58.3	59.6	57.9	
17	Social Finance		50.3	51.2	55.3	52.3	
18	Gate 2		56.7	60.5	63.7	60.3	
19	Grid		54.1	56.8	57.7	56.2	
20	Canteen		65.5	68.9	69.9	68.1	
21	Sugar Hall		61.1	64.7	67.8	64.5	



Abbreviations:

PEQS = Punjab Environmental Quality Standards

dB = Decibel

Duputy Analyst:

Reviewed By:

Approved By:

**PICTORIAL EVIDENCE
OF AMBIENT AIR, STACK
EMISSION & NOISE
MONITORING**



Figure 1: Ambient Air Monitoring near WWTP



Figure 2: Stack Emission Monitoring of Natural Gas Boiler



Figure 3: Stack Emission Monitoring of Generator 1



Figure 4: Stack Emission Monitoring of Generator 2



Figure 5: Stack Emission Monitoring of Generator 3



Figure 6: Stack Emission Monitoring of Generator 4



Figure 7: Stack Emission Monitoring of Generator 5



Figure 8: Noise Monitoring of Air Compressor



Figure 9: Noise Monitoring of Ammonia Compressor



Figure 10: Noise Monitoring of Canteen Area



Figure 11: Noise Monitoring of Fleet Workshop



Figure 12: Noise Monitoring of Block 4



Figure 13: Noise Monitoring Near WWTP



Figure 14: Noise Monitoring of Scrap Area



Figure 15: Noise Monitoring Near UPS Area



Figure 16: Noise Monitoring of FG Loading Area



Figure 17: Noise Monitoring of Finance Building



Figure 18: Noise Monitoring of Green Mesh



Figure 19: Noise Monitoring Near Main Gate



Figure 20: Noise Monitoring of Mechanical Workshop



Figure 21: Noise Monitoring of FG Warehouse



Figure 22: Noise Monitoring of Block 2



Figure 23: Noise Monitoring of RGB Filler

End of Report



Test report
Ref: MNTP/TR- C&P-LHR-25 636/12

Chemical, Environmental
Microbiological lab Quality
Manual- Level 3
Approved By: Service Head
Dated: 02-02-2023

Revision No.: 0.0
Page No. 4 of 3

FOOTNOTE

IS	Insufficient sample for analysis.
LOR	Limits of Reporting
TCC	Total Colony Count
P/A	Present / Absent
MPN	Most Probable Number
TPC	Total Plate Count
HPC	Heterotrophic Plate count
APC	Aerobic Plate Count
TVA	Total Viable Count & Total Bacteria
FDA	Food & Drug Administration of USA
BAM	Bacteriological Analytical Manual
LNR	Sample Listed, but not received
CFU	Colony Forming Unit
*	This analysis is covered by the scope of accreditation of ISO/IEC 17025:2017.

^	Performed by SGS Karachi Lab.
#	Result will follow soon.
Environmental Condition	Temperature (25 ± 5)°C Humidity (55 ± 15)% R.H
C	Parameters are in Compliance with PEQS
NC	Parameters are not in Compliance with PEQS
PEQS	National Environmental Quality Standards

"This document is issued, by the company under its general conditions of services accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law."

This report must not be reproduced, except in full.

End of Report



Test report
Ref: MNTP/TR- C&P-LHR-25 636/12

Chemical, Environmental
Microbiological lab Quality
Manual- Level 3
Approved By: Service Head
Dated: 02-02-2023

Revision No.: 0.0
Page No. 1 of 3

CLIENT DETAILS:

LABORATORY DETAILS:

Client	Coca Cola Beverages Pakistan Ltd.	SGS Reference	C&P-LHR-25-636/12 (Boss Order No. 5031881)
Address	Coca Cola Beverages Pakistan Limited Multan Green Field Plant Plot # 140-148 & 163-170 Industrial Estate Phase II Multan		
Contact	Ms. Shagufta Irfan	Sample Received In Lab	09-12-2025
Telephone	0302-8383456	Test Performance Date	10-12-2025
Fax	-	Analysis Completion Date	18-12-2025
Email	sirfani@ccbpl.com.pk	Date Reported	19-12-2025
Project	(not specified)	Sampling Technique	Received Samples
Order Number	-		
Samples	Waste Water Sample		
Sample Sent By	Ms. Shagufta Irfan		

COMMENTS

This report is not valid for any negotiation.
The lab is accredited in accordance with ISO 17025:2017 with accreditation number LAB 067.
Uncertainty of results will be provided upon request.
The results are reported as absolute value +/- the absolute uncertainty of measurement estimated by the laboratory.
The results reported to relate only to the samples/items as provided by customers.
The remaining portion of the chemical sample (s) will be disposed off after one week unless otherwise instructed. (Conditions Apply)

SIGNATORIES

Sample Analyzed By
Mr. Noman Adeem / Mr. Soman

Laboratory In-Charge (QA/QC)
Ms. Mahpara Alam

Chief Analyst / DH
Mr. Ali Hashim
03216461538



Test report
Ref: MNTP/TR- C&P-LHR-25 636/12

Chemical, Environmental
Microbiological lab Quality
Manual- Level 3
Approved By: Service Head
Dated: 02-02-2023

Revision No.: 0.0
Page No. 2 of 3

Sample No.	C&P-LHR-25-636/12				
Sample ID	(WW)				
Sampled By	As Supplied				
Parameters	Units	LOR	Results	Limit as per KORE Value	Remarks w.r.t. PEOS
Temperature Thermometer					
Temperature at the time of receiving	°C	-	28	-	-
Color based on APHA 2120 B & C 24th Edition (Lovibond Mth No. 203)					
Color	Pt-Co	5.0	<5.0	1007	C
pH based on APHA 4500H¹ B 24th Edition					
*pH @ 25°C	pH unit	0.1	7.42	8.5 - 08	C
Oil & Grease based on USEPA 1664					
Oil & grease	mg/L	5.0	<5.0	10.00	C
Total Dissolved Solid based on APHA 2540 C 24th Edition					
*Solids, Total Dissolved (TDS)	mg/L	5.0	454	<2000	C
Total Suspended Solid based on APHA 2540 D 24th Edition					
*Solids, Total Suspended (TSS)	mg/L	5.0	<5.0	<50	C
Detergents, Anionic based on APHA-5540 C 24th Edition					
Detergents, Anionic	mg/L	0.1	<0.1	20.00	C
Surfactant based on APHA-5540 C 24th Edition					
Surfactant	mg/L	0.1	<0.1	20.00	C
Total Ammonia (NH₃) Nitrogen based on APHA-4500NH₃ B/C 24th Edition					
(NH ₃ -N)	mg/L	0.1	1.12	<2 ^a	C
Biochemical Oxygen Demand (BOD₅) based on APHA-5210 D 24th Edition					
*BOD ₅ @ 20 °C	mg/L	3.0	15	<50	C
Chemical Oxygen Demand(COD) based on APHA-5220 D 24th Edition					
*COD	mg/L	5.0	04	<0.5	C
Chloride Based on APHA-4500Cl⁻ B 24th Edition					
*Chloride	mg/L	0.5	43	-	-
Sulfate based on APHA 4500 SO₄²⁻ C 24th Edition					
*Sulfate (SO ₄ ²⁻)	mg/L	5.0	103	<250 ^b	C
Chlorine based on APHA 4500 Cl₂ G 24th Edition					
Chlorine	mg/L	0.01	<0.01	<0.1 ^c	C
Phosphorous, Total based on APHA 4500 P B & C 24th Edition					
Phosphorous, Total	mg/L	0.05	0.1	-	-
Total Phenols based on APHA 5530 C 24th Edition					
Phenols, Total (Phenolic Compounds)	mg/L	0.01	<0.01	-	-
Total Nitrogen, Macro Based on APHA-4500 Norg B + 4500 NO₃⁻ B + 4500 NO₂⁻ B 24th Edition					
Total Nitrogen Calculated	mg/L	0.1	3.08	-	-
Oxygen, Dissolved based on APHA-4500-O G 24th Edition					
Oxygen, Dissolved	mg/L	0.01	4.2	-	-



Test report
Ref: MNTP/TR- C&P-LHR-25 636/12

Chemical, Environmental
Microbiological lab Quality
Manual- Level 3
Approved By: Service Head
Dated: 02-02-2023

Revision No.: 0.0
Page No. 3 of 3

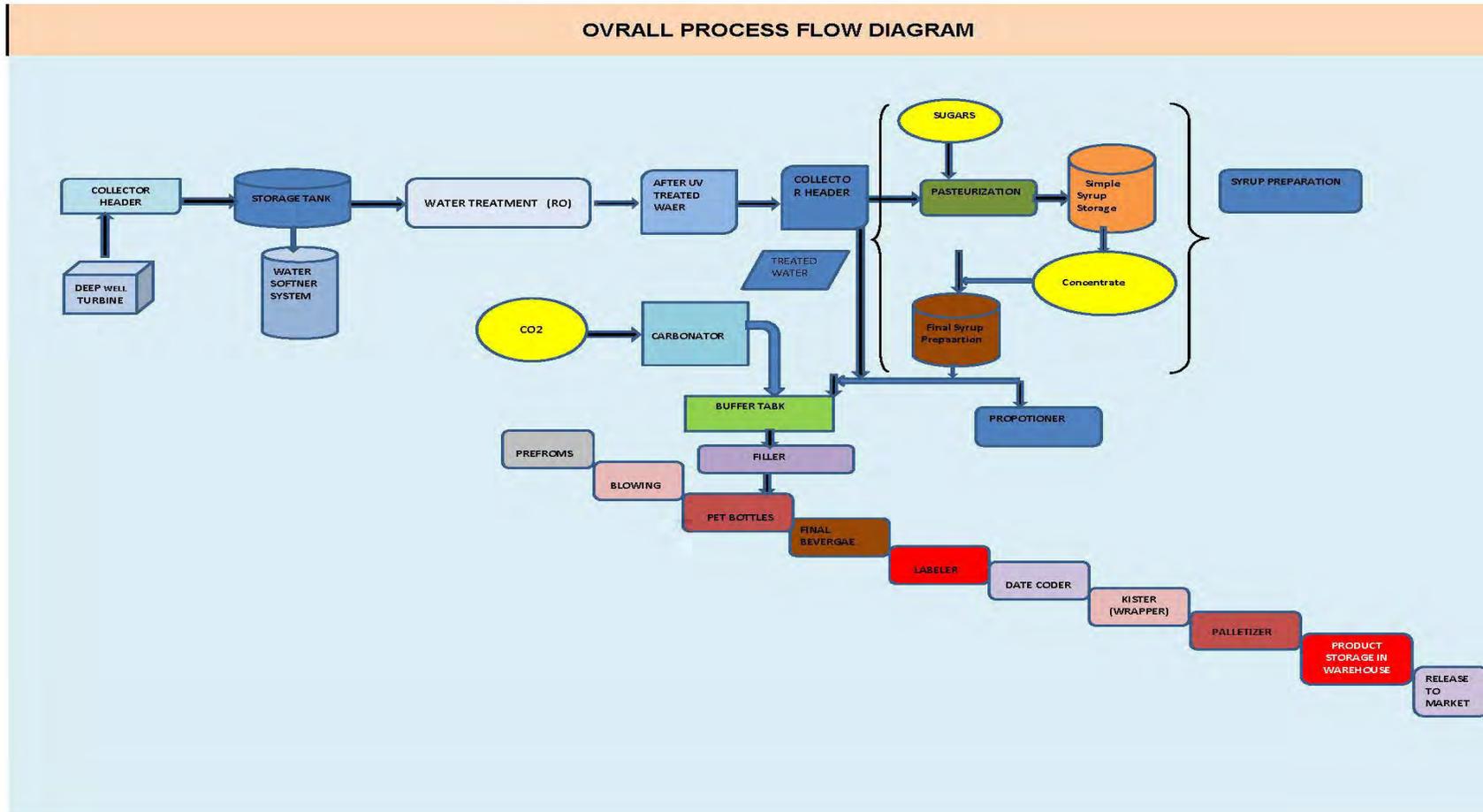
Sample No.	C&P-LHR-25-636/12				
Sample ID	(WW)				
Sampled By	As Supplied				
Parameters	Units	LOR	Results	Limit as per KORE Value	Remarks w.r.t. PEQS
Cyanide based on APHA 4500 CN⁻ E 24th Edition					
Cyanide (CN ⁻)	mg/L	0.05	<0.05	-	-
Fluoride based on APHA 4500 F - B/D 24th Edition					
Fluoride F ⁻	mg/L	1.0	<1.0	-	-
Sulphide based on APHA 4500 S²⁻ F 24th Edition					
Sulphide (S ²⁻)	mg/L	1.0	<1.0	-	-
Total Toxic Metal Calculation					
Total Toxic Metal	mg/L	-	0.018	-	-
Metals by AAS/ ICP-OES based on APHA 3120 B / 3111B 24th Edition					
^Cadmium (Cd)	mg/L	0.003	<0.003	<0.02 ⁴	C
^Total Chromium(Cr ³⁺ + Cr ⁶⁺)	mg/L	0.005	<0.005	<0.1 ^{6b}	C
^Total Iron	mg/L	0.005	<0.005	<0.1 ^{12,13}	C
^Lead (Pb)	mg/L	0.005	<0.005	<0.1	C
^Aluminum (Al)	mg/L	0.005	0.006	0.1 ¹³	C
^Arsenic (As)	mg/L	0.005	<0.005	-	-
^Barium (Ba)	mg/L	0.005	0.018	-	-
^Boron (B)	mg/L	0.005	<0.005	-	-
^Copper (Cu)	mg/L	0.005	<0.005	-	-
^Manganese (Mn)	mg/L	0.005	<0.005	-	-
^Nickel (Ni)	mg/L	0.005	<0.005	-	-
^Selenium (Se)	mg/L	0.005	<0.005	-	-
^Silver (Ag)	mg/L	0.005	<0.005	-	-
^Zinc (Zn)	mg/L	0.005	0.014	-	-
Mercury by ICP-OES based on APHA 3112 B 24th Edition					
^Mercury (Hg)	mg/L	0.001	<0.001	0.01	C
Organo-Chloro Pesticides EPA 8540 + USEPA 8061					
^ Organo-Chloro Pesticides	mg/L	0.001	<0.001	-	-
Faecal (E.coli) Multiple Tube Fermentation APHA 9221E 24th Edition					
Faecal Coli (E.coli)	MPN/100ml	-	<1.8	-	-

ANNEXURE-C

PROCESS FLOW CHART



OVRALL PROCESS FLOW DIAGRAM



ANNEXURE-D

RAW MATERIAL DETAILS

**Material
Description**

ANTI FOAM NON TOXIC

UREA FERTILIZER

ETHELYNE GLYCOL

SMART CLEAN FOR GLUE CLEANING

MEK SLOVENT

CITRIC ACID WATER / LAB CHEMICAL

ACTIVATED CARBON GRANULAR 1240

HYDROCHLORIC ACID (HCL)

OXOFOAM VF5 FILLER CLEANING COP

SODIUM HYPOCHLORITE WATER TREATMENT

SULPHURIC ACID WATER / LAB CHEMICAL

ACTIVATED CARBON POWDER NORIT PN-2

SODIUM CHLORIDE WATER / LAB CHEMICAL

BRIGHT WASH FOR WASHER

DRYTECH 4 VL83 CONVEYOR LUBRICANT

FILTER AID HYFLO FOR SRUP FILTRATION

TITAN PASCAL VA5

KHS X59930905 LUBRICATION PUMP GREASE

REFRIGERATION GAS 407C

ANTISCALENT AQM 51

P3 HOROLITH PA FOR WASHER

MAKEUP FLUID DATECODE VIDEOJET V-723D

INK DATE CODE VIDEOJET V-420D

REFRIGERANT GAS R 410A

DICOLUBE RS 148 VL11 NEU CON LUBRICANT

DIVO LE

DIVO AI

DOMINO M200 INK RIBBON

DOMINO M200 LABEL

PRINTER RIBBON P5210

PRINTRONIX RIBBON CATRIDGE P8010

PRINTRONIX RIBBON OF PRINTER P7005

ANNEXURE-E

MACHINERY DETAILS

Plnt

3005

Category	Cost	NBV
Assets Under Constr	30,520,107	30,520,107
Automobiles	4,283,156	-
Bottles	814,480,676	273,441,917
Bottles & Cases & others	136,680,051	136,680,051
Building Improvement	50,435,814	47,615,752
Buildings	4,913,375,230	3,720,812,840
Cases	766,789,600	149,613,110
CO2 Gas Cylinders	844,000	337,600
Computer Equipments	94,897,183	20,165,312
Computer Software	4,595,461	-
Coolers	1,437,130,180	688,699,108
Dispensers	8,342,614	265,343
Forklifts	141,625,114	67,308,426
Forklifts spare parts	26,045,219	339,706
Furniture & Fixtures & Office Equipemnet	53,508,279	6,734,099
Heavy Trucks	2,883,000	-
Land	264,275,000	264,275,000
Land Improvements	6,956,423	4,712,890
Machinery and Equipm	7,084,346,524	4,246,200,722
Notebooks	2,047,929	-
Palettes	175,369,552	83,489,117
Production Spare Par	518,676,385	190,306,749
Sales&marketing Eq.	17,391,796	0
Grand Total	16,555,499,294	9,931,517,848

Asset Balances as at 30th Jun 25

Class	Desc	Asset	SNo.	Asset description
223000	achinery and Equ	223000000352	0	Screw Air Compressor (RS55)
223000	achinery and Equ	223000000352	2411	Screw Air Compressor (RS55)
223000	achinery and Equ	223000000387	0	LATHE MACHINE APV-1144 AL-QAMAR MACHINERY STORE
223000	achinery and Equ	223000000391	0	R.O.PLANT APV-447 TRI SEP & DP PUMP INV#115394
223000	achinery and Equ	223000000979	0	AC Arc Welder
223000	achinery and Equ	223000000980	0	Workshop Equipment viz:
223000	achinery and Equ	223000000981	0	Self Contained Breathing Apparatus
223000	achinery and Equ	223000001238	0	CROWN SKIRTANGLE GAUGE
223000	achinery and Equ	223000001427	0	Nova - 60
223000	achinery and Equ	223000001428	0	Carbonation Tester
223000	achinery and Equ	223000001429	0	7201 Analytical Balance
223000	achinery and Equ	223000001431	0	Tensor Model- Co2 Bulk Sampling Cylinder- Sampling
223000	achinery and Equ	223000001432	0	Hand Refracto Meter (HYDRO METER)
223000	achinery and Equ	223000001435	0	Density Meter for Laboratory
223000	achinery and Equ	223000001512	0	Caustic Tank # 02
223000	achinery and Equ	223000001514	0	Sugar Pasteurizer Tank
223000	achinery and Equ	223000001515	0	Sugar Pasteurizer Tank
223000	achinery and Equ	223000001664	0	Digital Camera 20x zoom 15 Mega Pixel
223000	achinery and Equ	223000001705	0	Flammable Cabinets
223000	achinery and Equ	223000001706	0	Multi Gas Detector
223000	achinery and Equ	223000001707	0	Ammonia Detection System
223000	achinery and Equ	223000001922	0	Carbo QC for Lab- MUL
223000	achinery and Equ	223000001932	0	Membranes for RO system- MUL
223000	achinery and Equ	223000001933	0	Chemicals & Fire proof cabinet- MUL
223000	achinery and Equ	223000001940	0	pH meter
223000	achinery and Equ	223000001941	0	TDS meter
223000	achinery and Equ	223000001942	0	Turbidity Meter
223000	achinery and Equ	223000001970	0	Carbo QC - FSB
223000	achinery and Equ	223000001971	0	Torque Tester for Lab- MUL
223000	achinery and Equ	223000001998	0	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2301	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2302	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2303	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2304	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2305	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2308	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2310	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2311	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2312	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2402	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2403	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2404	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2405	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2406	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2407	KHS PET Line 2 (Form 7261)

223000	achinery and Equ	223000001998	2408	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2409	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2410	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2411	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2412	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2501	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2502	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2503	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2504	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2505	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001998	2506	KHS PET Line 2 (Form 7261)
223000	achinery and Equ	223000001999	0	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2301	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2303	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2304	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2305	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2308	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2309	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2310	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2312	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2402	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2403	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2404	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2405	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2406	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2407	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2408	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2410	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2412	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2501	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2503	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000001999	2506	KHS PET Line 2 - Blowing Machine (7261)
223000	achinery and Equ	223000002000	0	KHS PET Line 2 - MGF - Regulator
223000	achinery and Equ	223000002001	0	KHS PET Line 2 - MGF - UPS
223000	achinery and Equ	223000002012	0	Tube Well
223000	achinery and Equ	223000002013	0	MGF - Boilers
223000	achinery and Equ	223000002013	2309	MGF - Boilers
223000	achinery and Equ	223000002013	2312	MGF - Boilers
223000	achinery and Equ	223000002013	2412	MGF - Boilers
223000	achinery and Equ	223000002014	0	MGF - Cold room
223000	achinery and Equ	223000002015	0	MGF - Main LT & ATS Panel & DBs
223000	achinery and Equ	223000002043	0	3200KVA Low Voltage Regulator
223000	achinery and Equ	223000002045	0	KHS PET Line 2 - MGF
223000	achinery and Equ	223000002046	0	DJAWH40 HIGH PRESSURE AIR COMPRESSOR
223000	achinery and Equ	223000002046	2301	DJAWH40 HIGH PRESSURE AIR COMPRESSOR
223000	achinery and Equ	223000002046	2304	DJAWH40 HIGH PRESSURE AIR COMPRESSOR
223000	achinery and Equ	223000002046	2310	DJAWH40 HIGH PRESSURE AIR COMPRESSOR

223000	achinery and Equ	223000002046	2404	DJAWH40 HIGH PRESSURE AIR COMPRESSOR
223000	achinery and Equ	223000002046	2407	DJAWH40 HIGH PRESSURE AIR COMPRESSOR
223000	achinery and Equ	223000002046	2410	DJAWH40 HIGH PRESSURE AIR COMPRESSOR
223000	achinery and Equ	223000002046	2411	DJAWH40 HIGH PRESSURE AIR COMPRESSOR
223000	achinery and Equ	223000002046	2501	DJAWH40 HIGH PRESSURE AIR COMPRESSOR
223000	achinery and Equ	223000002047	0	Labeler
223000	achinery and Equ	223000002048	0	2250 KVA DG-set for MGF plant-line 3
223000	achinery and Equ	223000002048	2410	2250 KVA DG-set for MGF plant-line 3
223000	achinery and Equ	223000002049	0	CO2 purifier and regulator
223000	achinery and Equ	223000002050	0	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2301	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2302	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2303	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2304	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2305	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2306	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2307	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2308	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2309	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2310	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2312	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2401	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2402	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2403	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2404	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2405	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2406	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2407	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2408	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2409	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2410	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2411	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2412	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2501	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2504	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2505	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002050	2506	RGB Line - RGB Line 60.000 bph 250ml
223000	achinery and Equ	223000002051	0	Water Treatment
223000	achinery and Equ	223000002051	2301	Water Treatment
223000	achinery and Equ	223000002051	2302	Water Treatment
223000	achinery and Equ	223000002051	2305	Water Treatment
223000	achinery and Equ	223000002051	2307	Water Treatment
223000	achinery and Equ	223000002051	2308	Water Treatment
223000	achinery and Equ	223000002051	2309	Water Treatment
223000	achinery and Equ	223000002051	2403	Water Treatment
223000	achinery and Equ	223000002051	2407	Water Treatment
223000	achinery and Equ	223000002051	2408	Water Treatment

223000	achinery and Equ	223000002051	2503	Water Treatment
223000	achinery and Equ	223000002051	2504	Water Treatment
223000	achinery and Equ	223000002052	0	Waste Water Treatment (machinery)
223000	achinery and Equ	223000002052	2303	Waste Water Treatment (machinery)
223000	achinery and Equ	223000002052	2304	Waste Water Treatment (machinery)
223000	achinery and Equ	223000002052	2404	Waste Water Treatment (machinery)
223000	achinery and Equ	223000002052	2501	Waste Water Treatment (machinery)
223000	achinery and Equ	223000002052	2503	Waste Water Treatment (machinery)
223000	achinery and Equ	223000002053	0	Grid Station (Connection + Installations)
223000	achinery and Equ	223000002054	0	HVAC for Filling Line and Utility Bld (roof top un
223000	achinery and Equ	223000002054	2307	HVAC for Filling Line and Utility Bld (roof top un
223000	achinery and Equ	223000002054	2309	HVAC for Filling Line and Utility Bld (roof top un
223000	achinery and Equ	223000002054	2503	HVAC for Filling Line and Utility Bld (roof top un
223000	achinery and Equ	223000002055	0	Power Generators - Stand-by power generator 2x2500
223000	achinery and Equ	223000002055	2308	Power Generators - Stand-by power generator 2x2500
223000	achinery and Equ	223000002056	0	LVR 3200 KVA
223000	achinery and Equ	223000002056	2308	LVR 3200 KVA
223000	achinery and Equ	223000002057	0	Electric Work Supplies (Cables)-WBS 3769
223000	achinery and Equ	223000002058	0	Voltage Stabilizers & UPS - Transformer and Voltag
223000	achinery and Equ	223000002059	0	Steam System
223000	achinery and Equ	223000002060	0	Water Tanks
223000	achinery and Equ	223000002060	2308	Water Tanks
223000	achinery and Equ	223000002060	2401	Water Tanks
223000	achinery and Equ	223000002060	2408	Water Tanks
223000	achinery and Equ	223000002060	2411	Water Tanks
223000	achinery and Equ	223000002060	2505	Water Tanks
223000	achinery and Equ	223000002061	0	Diesel System
223000	achinery and Equ	223000002062	0	Caustic System
223000	achinery and Equ	223000002064	0	Ventilation fans for MUX Production area
223000	achinery and Equ	223000002070	0	Ventilation fans for MUX Production area 36"
223000	achinery and Equ	223000002071	0	Ventilation fans for MUX Production area 36"
223000	achinery and Equ	223000002072	0	Ventilation fans for MUX Production area 36"
223000	achinery and Equ	223000002073	0	Ventilation fans for MUX Production area 36"
223000	achinery and Equ	223000002076	0	Ventilation fans for MUX Production area 18"
223000	achinery and Equ	223000002161	0	Syrup room
223000	achinery and Equ	223000002161	2301	Syrup room
223000	achinery and Equ	223000002161	2305	Syrup room
223000	achinery and Equ	223000002161	2306	Syrup room
223000	achinery and Equ	223000002161	2309	Syrup room
223000	achinery and Equ	223000002161	2311	Syrup room
223000	achinery and Equ	223000002161	2312	Syrup room
223000	achinery and Equ	223000002161	2402	Syrup room
223000	achinery and Equ	223000002161	2404	Syrup room
223000	achinery and Equ	223000002161	2405	Syrup room
223000	achinery and Equ	223000002161	2406	Syrup room
223000	achinery and Equ	223000002161	2410	Syrup room
223000	achinery and Equ	223000002161	2411	Syrup room

223000	achinery and Equ	223000002161	2412	Syrup room
223000	achinery and Equ	223000002161	2501	Syrup room
223000	achinery and Equ	223000002161	2502	Syrup room
223000	achinery and Equ	223000002161	2503	Syrup room
223000	achinery and Equ	223000002161	2504	Syrup room
223000	achinery and Equ	223000002161	2506	Syrup room
223000	achinery and Equ	223000002162	0	LOW PRESSURE COMPRESSED AIR SYSTEM
223000	achinery and Equ	223000002187	0	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2301	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2304	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2308	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2309	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2402	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2403	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2406	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2408	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2411	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2412	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2501	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2502	Ammonia System 3000KW
223000	achinery and Equ	223000002187	2505	Ammonia System 3000KW
223000	achinery and Equ	223000002188	0	CO2 regulator& filter stage 5
223000	achinery and Equ	223000002189	0	LP Compressor for PET Line 2
223000	achinery and Equ	223000002189	2301	LP Compressor for PET Line 2
223000	achinery and Equ	223000002189	2404	LP Compressor for PET Line 2
223000	achinery and Equ	223000002190	0	Fire Extinguishing Balls
223000	achinery and Equ	223000002191	0	CO2 Purifier 3,000Kg/hr - Turn Key
223000	achinery and Equ	223000002192	0	MGF - Tools
223000	achinery and Equ	223000002193	0	Syrup room expansion
223000	achinery and Equ	223000002194	0	Ammonia System 3000KW - PET3
223000	achinery and Equ	223000002194	2301	Ammonia System 3000KW - PET3
223000	achinery and Equ	223000002194	2311	Ammonia System 3000KW - PET3
223000	achinery and Equ	223000002194	2402	Ammonia System 3000KW - PET3
223000	achinery and Equ	223000002194	2407	Ammonia System 3000KW - PET3
223000	achinery and Equ	223000002194	2502	Ammonia System 3000KW - PET3
223000	achinery and Equ	223000002197	0	MGF - RGB line Conveyor Extension
223000	achinery and Equ	223000002300	0	VACUUM PUMP DNS
223000	achinery and Equ	223000002326	0	LOTO Kit
223000	achinery and Equ	223000002327	0	LOTO Kit
223000	achinery and Equ	223000002328	0	Fall Protection Railing on Utility Rooft
223000	achinery and Equ	223000002329	0	CO Detector System for Continuous Monit
223000	achinery and Equ	223000002330	0	Confind Space Rescure Tri Pod Stand
223000	achinery and Equ	223000002331	0	Platform over bottle washer conveyor
223000	achinery and Equ	223000002332	0	Platform over rejected bottle conveyor
223000	achinery and Equ	223000002333	0	Checkeder Sheet over old platforms
223000	achinery and Equ	223000002334	0	Platform over empty case conveyor
223000	achinery and Equ	223000002335	0	Palletizer step ladder

223000	achinery and Equ	223000002336	0	Depalletizer step ladder
223000	achinery and Equ	223000002337	0	Safety Grill for pump
223000	achinery and Equ	223000002338	0	Chain block 500kg with installation
223000	achinery and Equ	223000002339	0	Secondary containment of diesel tank MS
223000	achinery and Equ	223000002340	0	Change over parts trolley for PET Line
223000	achinery and Equ	223000002341	0	Change over parts trolley for PET Line
223000	achinery and Equ	223000002342	0	Change over parts trolley for PET Line
223000	achinery and Equ	223000002343	0	Change over parts trolley for PET Line
223000	achinery and Equ	223000002344	0	Filtec changeover part trolley
223000	achinery and Equ	223000002345	0	HSE Equipment and Platforms at MGF
223000	achinery and Equ	223000002346	0	SS Platform for Depalletizer
223000	achinery and Equ	223000002350	0	High Pressure Washer HD 5/12 C
223000	achinery and Equ	223000002357	0	HSE Equipment and Platforms at MGF
223000	achinery and Equ	223000002360	0	Local infrastructure development for TREX
223000	achinery and Equ	223000002362	0	ELECTRIC POWER TROLLEY- MGF - Racks for Warehouse
223000	achinery and Equ	223000002363	0	SPARE PARTS ROOM RACKS- MGF - Racks for Warehouse
223000	achinery and Equ	223000002364	0	ELECTRIC POWER TROLLEY- MGF - Racks for Warehouse
223000	achinery and Equ	223000002379	0	Sec Containment (48*42) + (18*90)
223000	achinery and Equ	223000002380	0	Sec Containment (30*42)
223000	achinery and Equ	223000002381	0	Sec Containment (30*42)
223000	achinery and Equ	223000002382	0	Sec Containment (30*36)
223000	achinery and Equ	223000002383	0	Sec Containment (24*20)
223000	achinery and Equ	223000002384	0	Sec Containment ((54*42)+(48*36))
223000	achinery and Equ	223000002385	0	Sec Containment (24*24)
223000	achinery and Equ	223000002386	0	Sec Containment (36*48)
223000	achinery and Equ	223000002387	0	Sec Containment (24*24)
223000	achinery and Equ	223000002388	0	Sec Containment (48*72)
223000	achinery and Equ	223000002403	0	Road Sweeper for WH-MUX-PK-RFA-15345
223000	achinery and Equ	223000002408	0	1L PET molds for MGF
223000	achinery and Equ	223000002409	0	1L PET molds for MGF
223000	achinery and Equ	223000002426	0	Scissors Lifts for MGF
223000	achinery and Equ	223000002449	0	Roping Platform-5320
223000	achinery and Equ	223000002476	0	Financial Closure of MUX Grid Station-009869
223000	achinery and Equ	223000002477	0	Burst Test CPPT3 PPT3000 Configured Machine
223000	achinery and Equ	223000002478	0	C510 HWC Configured Machine
223000	achinery and Equ	223000002479	0	C506 TOP LOAD Configured Machine
223000	achinery and Equ	223000002480	0	C508BASE Clearance Gauge
223000	achinery and Equ	223000002481	0	UV/VIS Spectrophotomete
223000	achinery and Equ	223000002482	0	Dimensions (height and major diameter)
223000	achinery and Equ	223000002483	0	Dial Calipers
223000	achinery and Equ	223000002484	0	Fill-Point capacity
223000	achinery and Equ	223000002485	0	Wall thickness
223000	achinery and Equ	223000002486	0	Stress cracking test
223000	achinery and Equ	223000002487	0	Titration apparatus
223000	achinery and Equ	223000002488	0	Visual Control-POLARISCOPIO
223000	achinery and Equ	223000002489	0	Drop Test
223000	achinery and Equ	223000002490	0	Perpendicularity gauge assembly or equivalent

223000	Chinery and Equ	223000002491	0	Torque Tester
223000	Chinery and Equ	223000002492	0	Burettes
223000	Chinery and Equ	223000002493	0	Burettes
223000	Chinery and Equ	223000002494	0	Mechanical Weight Scale 5,000 g/readability of 0.1
223000	Chinery and Equ	223000002495	0	COD Apparatus, COD Incobator for photometer
223000	Chinery and Equ	223000002496	0	BOD Apparatus, BOD Incubatore 20c
223000	Chinery and Equ	223000002497	0	Crown Crimpage Gauge
223000	Chinery and Equ	223000002498	0	DO Kit (Dissolved Oxygen Kit) Dissolved Oxygen Equ
223000	Chinery and Equ	223000002499	0	Dessicator
223000	Chinery and Equ	223000002500	0	Anton-Paar Carbo QC ME DMA 500 M
223000	Chinery and Equ	223000002501	0	Decarbonation apparatus Hamilton Beach Mixed
223000	Chinery and Equ	223000002502	0	Ultrasonic bath 10 lt
223000	Chinery and Equ	223000002503	0	Torque Tester
223000	Chinery and Equ	223000002504	0	Torque Tester
223000	Chinery and Equ	223000002505	0	Hand Chuck
223000	Chinery and Equ	223000002506	0	BASIC 20 PLUS ph Meter
223000	Chinery and Equ	223000002507	0	Top-load balance accurate to 0.1g
223000	Chinery and Equ	223000002508	0	Electronic balance accurate to 0.01g
223000	Chinery and Equ	223000002509	0	Termometers (digital) + - 1 degree
223000	Chinery and Equ	223000002510	0	Fill-height gauge
223000	Chinery and Equ	223000002511	0	High-intensity lamp
223000	Chinery and Equ	223000002512	0	Digital Burette
223000	Chinery and Equ	223000002513	0	Turbidimeter
223000	Chinery and Equ	223000002514	0	Photometer
223000	Chinery and Equ	223000002515	0	Electrical Conductivity Meter
223000	Chinery and Equ	223000002516	0	Ultrasonic bath
223000	Chinery and Equ	223000002517	0	Chlorine Color Disc Comparator
223000	Chinery and Equ	223000002520	0	Dry Air Sterilizer Oven
223000	Chinery and Equ	223000002521	0	Gas Purity Tester
223000	Chinery and Equ	223000002522	0	Laminar Flow Cabinet Class
223000	Chinery and Equ	223000002523	0	Sterilizer
223000	Chinery and Equ	223000002524	0	Ultrapure Water System
223000	Chinery and Equ	223000002525	0	Incubator 35 + - 2C
223000	Chinery and Equ	223000002526	0	Cooled Incubator 25 + - 2C
223000	Chinery and Equ	223000002527	0	Compound Microscope
223000	Chinery and Equ	223000002528	0	Microbail air Sampler
223000	Chinery and Equ	223000002529	0	Vertical Autoclave
223000	Chinery and Equ	223000002530	0	Electric Heater
223000	Chinery and Equ	223000002531	0	3 Manifold vacuum membran filtration system
223000	Chinery and Equ	223000002532	0	Sterile swabs with tester
223000	Chinery and Equ	223000002533	0	Forceps Spoons
223000	Chinery and Equ	223000002534	0	Bunsen Burner
223000	Chinery and Equ	223000002535	0	Stainless Steel Forceps
223000	Chinery and Equ	223000002536	0	Magnetic Stirrers
223000	Chinery and Equ	223000002537	0	UV Lamp-Sterile Pippette
223000	Chinery and Equ	223000002538	0	Lab Wall Bench
223000	Chinery and Equ	223000002539	0	Lab Wall Bench

223000	achinery and Equ	223000002540	0	Lab Wall Bench
223000	achinery and Equ	223000002541	0	Fume Hood
223000	achinery and Equ	223000002542	0	Lab Wall Bench
223000	achinery and Equ	223000002543	0	Lab Island Bench
223000	achinery and Equ	223000002544	0	Lab Wall Bench
223000	achinery and Equ	223000002545	0	Lab Wall Bench
223000	achinery and Equ	223000002546	0	Lab Wall Bench
223000	achinery and Equ	223000002547	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002548	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002549	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002550	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002551	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002552	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002553	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002554	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002555	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002556	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002557	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002558	0	BETALINE 65-250 (15/2)EFF1
223000	achinery and Equ	223000002559	0	OZEL EURONICB V9-4/150 15KW*4
223000	achinery and Equ	223000002560	0	OZEL EURONICB V9-4/150 15KW*4
223000	achinery and Equ	223000002561	0	MOVITEC V6/5B (EX-PROOF)
223000	achinery and Equ	223000002562	0	MOVITEC V6/5B (EX-PROOF)
223000	achinery and Equ	223000002563	0	COBRAN N HSC 6*5*12 MF (75/2) 4/16
223000	achinery and Equ	223000002564	0	MOVITEC V4-168 WITHOUT ENGINE
223000	achinery and Equ	223000002565	0	ELEC. ENGINE 4*2900 B14 IE2
223000	achinery and Equ	223000002566	0	COBRA ULFM ES6*5*12 FM (145/2CL)
223000	achinery and Equ	223000002567	0	COMPLETE FUEL TANK UL 705 LT
223000	achinery and Equ	223000002568	0	KRT 40-160 US (2.4*2900) MSKP
223000	achinery and Equ	223000002569	0	KRT 40-160 US (2.4*2900) MSKP
223000	achinery and Equ	223000002570	0	PANEL KPT 200/5,5KW PKRA-2T
223000	achinery and Equ	223000002571	0	PANEL KPT 200/5,5KW PKRA-2T
223000	achinery and Equ	223000002572	0	KHFB V8-4-25/4-C1 4*7, 5KW
223000	achinery and Equ	223000002573	0	MOVI ECO 2-6/128 G1 (3/2)
223000	achinery and Equ	223000002574	0	RIO-THERM N 30-70 T
223000	achinery and Equ	223000002575	0	RIO-THERM N 30-70 T
223000	achinery and Equ	223000002576	0	OZEL EURONICB V9-2/150 15 KW *2
223000	achinery and Equ	223000002577	0	OZEL EURONICB V9-2/150 15 KW *2
223000	achinery and Equ	223000002578	0	BETA 32-125 MSKP (2.2/2) EFF1
223000	achinery and Equ	223000002579	0	PANEL KPT 100/5,5 KW PKRA-2T
223000	achinery and Equ	223000002580	0	Power Generators - Stand-by power generator 2x2500
223000	achinery and Equ	223000002581	0	LV Panels
223000	achinery and Equ	223000002582	0	MV Panels
223000	achinery and Equ	223000002583	0	Transformer 3150kVA, 11/0,4k
223000	achinery and Equ	223000002583	2307	Transformer 3150kVA, 11/0,4k
223000	achinery and Equ	223000002583	2403	Transformer 3150kVA, 11/0,4k
223000	achinery and Equ	223000002584	0	Transformer 3150kVA, 11/0,4k

223000	achinery and Equ	223000002589	0	KHS PET Line 2 (Form 3769)
223000	achinery and Equ	223000002590	0	KHS PET Line 2 - Blowing Machine 3769
223000	achinery and Equ	223000002591	0	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2301	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2302	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2303	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2304	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2305	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2307	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2308	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2309	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2310	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2312	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2401	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2402	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2404	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2405	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2406	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2407	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2408	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2409	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2410	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2411	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2412	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2501	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2502	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2503	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2504	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2505	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002591	2506	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002592	0	KHS PET Line 3 - MGF
223000	achinery and Equ	223000002602	0	Movable Ramp for forklifts-009028
223000	achinery and Equ	223000002603	0	40 Bar HP Compressor For Multan PET Line 3
223000	achinery and Equ	223000002603	2301	40 Bar HP Compressor For Multan PET Line 3
223000	achinery and Equ	223000002603	2308	40 Bar HP Compressor For Multan PET Line 3
223000	achinery and Equ	223000002603	2312	40 Bar HP Compressor For Multan PET Line 3
223000	achinery and Equ	223000002603	2411	40 Bar HP Compressor For Multan PET Line 3
223000	achinery and Equ	223000002604	0	Water Treatment System - PET Line 3
223000	achinery and Equ	223000002605	0	Diesel Generator - 2250 KVA PET Line 3
223000	achinery and Equ	223000002606	0	Cooling Units for Elec & UPS Rooms - PET Line 3
223000	achinery and Equ	223000002607	0	Cooling Units for Elec & UPS Rooms - PET Line 3
223000	achinery and Equ	223000002608	0	LVR - ORTEA Digital SIRIUS 3200 - PET Line 3
223000	achinery and Equ	223000002609	0	LV/MV Panels + Transformer 3150 KVA
223000	achinery and Equ	223000002609	2301	LV/MV Panels + Transformer 3150 KVA
223000	achinery and Equ	223000002609	2307	LV/MV Panels + Transformer 3150 KVA
223000	achinery and Equ	223000002609	2404	LV/MV Panels + Transformer 3150 KVA
223000	achinery and Equ	223000002610	0	Industrial UPS 500 KVA - PET Line 3

223000	achinery and Equ	223000002611	0	40 KVA Line UPS - PET Line 3
223000	achinery and Equ	223000002612	0	LP Pressure System-Compressor PET Line 3
223000	achinery and Equ	223000002612	2304	LP Pressure System-Compressor PET Line 3
223000	achinery and Equ	223000002612	2310	LP Pressure System-Compressor PET Line 3
223000	achinery and Equ	223000002612	2312	LP Pressure System-Compressor PET Line 3
223000	achinery and Equ	223000002612	2411	LP Pressure System-Compressor PET Line 3
223000	achinery and Equ	223000002612	2502	LP Pressure System-Compressor PET Line 3
223000	achinery and Equ	223000002613	0	LP Pressure System-Air Purification System Line 3
223000	achinery and Equ	223000002614	0	LP Pressure System-Air Dryer PET Line 3
223000	achinery and Equ	223000002615	0	CO2 Purification System PET Line 3
223000	achinery and Equ	223000002616	0	CO2 Vaporizer System PET Line 3
223000	achinery and Equ	223000002621	0	750ml PET Moulds for CSD Line
223000	achinery and Equ	223000002622	0	750mL Labler ChangeParts of CSD FillingLine
223000	achinery and Equ	223000002644	0	Piping for Water Well (Turbine) 3-008762
223000	achinery and Equ	223000002647	0	1.75L PET Molds-MUX Line 6 PET-003605
223000	achinery and Equ	223000002697	0	750 Moulds-Fanta and Sprite
223000	achinery and Equ	223000002698	0	750ml PET Moulds-9053
223000	achinery and Equ	223000002995	0	132/11.5 KV Power Transformer 50 HZ
223000	achinery and Equ	223000003073	0	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2301	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2303	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2304	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2305	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2306	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2307	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2308	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2309	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2310	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2311	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2312	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2401	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2402	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2403	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2404	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2405	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2406	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2407	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2409	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2410	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2411	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2412	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2501	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2502	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2503	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2504	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2505	MGF Line-4 PET KHS
223000	achinery and Equ	223000003073	2506	MGF Line-4 PET KHS

223000	achinery and Equ	223000003074	0	MGF Line-4 PET KHS
223000	achinery and Equ	223000003076	0	HP Compressor with accessories
223000	achinery and Equ	223000003076	2301	HP Compressor with accessories
223000	achinery and Equ	223000003076	2307	HP Compressor with accessories
223000	achinery and Equ	223000003076	2311	HP Compressor with accessories
223000	achinery and Equ	223000003076	2505	HP Compressor with accessories
223000	achinery and Equ	223000003076	2506	HP Compressor with accessories
223000	achinery and Equ	223000003077	0	UPS 600 KVA with accessories - Pet Line 3
223000	achinery and Equ	223000003078	0	GENSYNC PANEL with Breaker 4000A
223000	achinery and Equ	223000003079	0	LV Panels with 2x1000A breakers
223000	achinery and Equ	223000003079	2403	LV Panels with 2x1000A breakers
223000	achinery and Equ	223000003080	0	UUDP_BP Panel with accessories
223000	achinery and Equ	223000003081	0	UUDP Panel with accessories
223000	achinery and Equ	223000003082	0	Syrup room - Pet Line 3
223000	achinery and Equ	223000003083	0	CO2 Filtration system - Pet Line 3
223000	achinery and Equ	223000003084	0	CO2 Vaporizer with Assecories - 1000Kg/h
223000	achinery and Equ	223000003085	0	Pallet Tagging machine
223000	achinery and Equ	223000003102	0	Pallet Tagging machine MGF PET Line 3
223000	achinery and Equ	223000003103	0	Kister Heat Exhaust Hood with GI Duct
223000	achinery and Equ	223000003104	0	Kister Heat Exhaust Hood with GI Duct
223000	achinery and Equ	223000003105	0	Kister Heat Exhaust Hood with GI Duct
223000	achinery and Equ	223000003106	0	Industrial Exhaust Fans at HP Air Compressor Room
223000	achinery and Equ	223000003115	0	Trex System for Mul PET Line 4
223000	achinery and Equ	223000003116	0	SIEMENS FLOW METER
223000	achinery and Equ	223000003117	0	SIEMENS FLOW METER
223000	achinery and Equ	223000003118	0	SIEMENS FLOW METER
223000	achinery and Equ	223000003119	0	20 Tons Standing Unit AC at MGF
223000	achinery and Equ	223000003145	0	Pallet Tag applicator for PET line 3
223000	achinery and Equ	223000003146	0	Natural gas line fabrication/install.to Boiler MUL
223000	achinery and Equ	223000003148	0	ROAR PET 1.5L Mold
223000	achinery and Equ	223000003149	0	New Ammonia Compressors for New KHS PET Line
223000	achinery and Equ	223000003149	2408	New Ammonia Compressors for New KHS PET Line
223000	achinery and Equ	223000003149	2409	New Ammonia Compressors for New KHS PET Line
223000	achinery and Equ	223000003153	0	Project Management & Fee - Multan Pet Line 3
223000	achinery and Equ	223000003170	0	Blowing Mold 500ml Sprite(25Set)
223000	achinery and Equ	223000003171	0	Complete RO reject recovery system
223000	achinery and Equ	223000003267	0	Syrup room - Pet Line 3
223000	achinery and Equ	223000003294	0	Pallet Sick Scanner KIT A47467 Series 2200
223000	achinery and Equ	223000003326	0	Mechanical Work - Multan Pet Line 3, 45,000 BPH
223000	achinery and Equ	223000003503	0	Complete RO Reject Recovery System
223000	achinery and Equ	223000003533	0	Stretch Wrapper for RGB Lines supprot WMS System
223000	achinery and Equ	223000003534	0	Ammonia Detection Sensors - Multan
223000	achinery and Equ	223000003535	0	LEL/Methane Detector - Multan
223000	achinery and Equ	223000003548	0	Drum Handling Equipment YTD 35
223000	achinery and Equ	223000003595	0	KHS Pet Line 2- Blowmax Mold Shells
223000	achinery and Equ	223000003601	0	Articulate Boom - Haulotte Sigma 16
223000	achinery and Equ	223000003677	0	PET 350ML Coke & Sprite Mold (MUX)

223000	achinery and Equ	223000003678	0	Change Parts for 35o ml Coca-Cola
223000	achinery and Equ	223000003679	0	CO2 Fixed Gas Detectors –Prod Filling Area
223000	achinery and Equ	223000003680	0	Change Parts for 35o ml Sprite
223000	achinery and Equ	223000003681	0	KHS - PET2 Mother Shells Blowmax Machines Series 4
223000	achinery and Equ	223000003682	0	PET 500ML Roar Mold

Ev.2	Cost Ctr	Plnt	Cap.date	Quantity	Acquis.val.	Accum.dep.
	700005030	3005	22.06.2010	1	2,540,722	(2,026,793)
	700005030	3005	31.12.2024	1	1,325,528	(77,322)
	700005030	3005	25.07.2008	1	218,322	(191,150)
	700005030	3005	01.01.2009	1	6,808,805	(6,049,667)
	700005030	3005	17.01.2000	1	13,545	(13,545)
	700005030	3005	17.01.2000	1	92,978	(92,978)
	700005030	3005	06.08.2012	1	125,000	(86,282)
	730005030	3005	24.09.2001	1	73,000	(73,000)
	730005030	3005	29.10.2004	1	180,000	(180,000)
	730005030	3005	26.11.2004	1	106,600	(106,600)
	730005030	3005	12.12.2005	1	87,000	(86,018)
	730005030	3005	28.04.2006	1	266,700	(260,097)
	730005030	3005	27.07.2006	1	12,200	(11,799)
	730005030	3005	20.07.2011	1	1,500,000	(1,135,928)
	700005030	3005	06.03.2012	1	1	(1)
	700005030	3005	31.12.2006	1	850,000	(818,054)
	700005030	3005	31.12.2006	1	850,000	(818,055)
	700005030	3005	28.08.2013	1	33,020	(18,584)
	700005030	3005	31.12.2013	1	160,000	(95,374)
	700005030	3005	31.12.2013	1	99,500	(59,311)
	700005030	3005	31.12.2013	1	339,300	(183,228)
	730005030	3005	29.09.2014	1	2,000,000	(1,086,826)
	700005030	3005	30.10.2014	1	2,167,500	(1,165,031)
	700005030	3005	30.10.2014	1	395,000	(212,313)
	730005030	3005	18.12.2014	1	62,000	(32,808)
	730005030	3005	18.12.2014	1	42,000	(22,225)
	730005030	3005	18.12.2014	1	74,000	(39,158)
	730005030	3005	30.01.2015	1	1,920,700	(1,008,368)
	730005030	3005	30.01.2015	1	666,000	(349,650)
	7102015030	3005	25.06.2015	1	632,280,593	(318,527,644)
	7102015030	3005	31.01.2023	1	1,662,484	(415,621)
	7102015030	3005	28.02.2023	1	1,950,446	(471,358)
	7102015030	3005	31.03.2023	1	4,743,522	(1,106,822)
	7102015030	3005	30.04.2023	1	3,795,515	(853,991)
	7102015030	3005	31.05.2023	1	2,705,742	(586,244)
	7102015030	3005	30.09.2023	1	3,481,677	(638,307)
	7102015030	3005	30.11.2023	1	1,462,089	(243,681)
	7102015030	3005	30.11.2023	1	4,099,448	(683,241)
	7102015030	3005	31.12.2023	1	6,037,501	(955,938)
	7102015030	3005	29.02.2024	1	2,925,144	(414,395)
	7102015030	3005	31.03.2024	1	2,600,193	(346,692)
	7102015030	3005	30.04.2024	1	4,405,083	(550,635)
	7102015030	3005	31.05.2024	1	7,712,648	(899,809)
	7102015030	3005	30.06.2024	1	1,996,221	(216,257)
	7102015030	3005	31.07.2024	1	963,249	(96,325)

	7102015030	3005	31.08.2024	1	5,215,706	(478,106)
	7102015030	3005	30.09.2024	1	1,998,367	(166,531)
	7102015030	3005	31.10.2024	1	6,147,326	(461,049)
	7102015030	3005	30.11.2024	1	7,658,975	(510,598)
	7102015030	3005	31.12.2024	1	4,216,842	(245,982)
	7102015030	3005	31.01.2025	1	1,332,677	(66,634)
	7102015030	3005	28.02.2025	1	4,434,292	(184,762)
	7102015030	3005	30.04.2025	1	661,484	(16,537)
	7102015030	3005	30.04.2025	1	933,500	(23,338)
	7102015030	3005	31.05.2025	1	1,601,491	(26,692)
	7102015030	3005	30.06.2025	1	1,874,931	(15,624)
	7102015030	3005	25.06.2015	1	126,297,678	(63,675,079)
	7102015030	3005	31.01.2023	1	4,033,143	(1,008,286)
	7102015030	3005	31.03.2023	1	4,041,202	(942,947)
	7102015030	3005	30.04.2023	1	4,032,201	(907,245)
	7102015030	3005	30.09.2023	1	2,296,134	(420,958)
	7102015030	3005	31.08.2023	1	262,358	(50,285)
	7102015030	3005	30.09.2023	1	4,056,627	(743,715)
	7102015030	3005	31.10.2023	1	10,055,572	(1,759,725)
	7102015030	3005	31.01.2024	1	271,196	(40,679)
	7102015030	3005	29.02.2024	1	3,492,121	(494,717)
	7102015030	3005	31.03.2024	1	3,637,172	(484,956)
	7102015030	3005	30.04.2024	1	307,956	(38,494)
	7102015030	3005	31.05.2024	1	314,781	(36,724)
	7102015030	3005	30.06.2024	1	5,451,464	(590,575)
	7102015030	3005	31.07.2024	1	2,031,612	(203,161)
	7102015030	3005	31.08.2024	1	5,676,453	(520,342)
	7102015030	3005	31.10.2024	1	1,148,228	(86,117)
	7102015030	3005	31.12.2024	1	7,583,445	(442,368)
	7102015030	3005	31.01.2025	1	5,293,753	(264,688)
	7102015030	3005	31.03.2025	1	1,592,756	(53,092)
	7102015030	3005	30.06.2025	1	674,956	(5,625)
	7102015030	3005	25.06.2015	1	22,200,000	(11,192,500)
	7102015030	3005	25.06.2015	1	11,632,625	(5,864,782)
	7000005030	3005	16.07.2015	1	14,250,896	(7,071,315)
	7000005030	3005	16.07.2015	1	56,896,862	(28,296,324)
	7000005030	3005	30.11.2023	1	370,500	(61,750)
	7000005030	3005	30.04.2024	1	620,000	(77,500)
	7000005030	3005	31.01.2025	1	510,000	(25,500)
	7010005030	3005	16.07.2015	1	2,300,000	(1,150,000)
	7000005030	3005	16.07.2015	1	1,925,000	(962,500)
	7102015030	3005	30.09.2015	1	26,763,500	(13,158,721)
	7102015030	3005	30.09.2015	1	361,160	(177,570)
	7102015030	3005	30.09.2015	1	23,601,838	(11,582,659)
	7102015030	3005	31.01.2023	1	5,030,613	(1,257,653)
	7102015030	3005	30.04.2023	1	1,445,947	(325,338)
	7102015030	3005	31.10.2023	1	6,779,604	(1,186,431)

	7102015030	3005	30.04.2024	1	467,540	(58,443)
	7102015030	3005	31.07.2024	1	13,934,042	(1,393,404)
	7102015030	3005	31.10.2024	1	632,179	(47,413)
	7102015030	3005	31.12.2024	1	7,432,282	(433,550)
	7102015030	3005	28.02.2025	1	15,906,217	(662,759)
	7102015030	3005	30.09.2015	1	60,364,597	(29,679,260)
	700005030	3005	30.09.2015	1	45,512,818	(22,377,136)
	700005030	3005	31.10.2024	1	560,000	(42,000)
	700005030	3005	30.09.2015	1	12,418,564	(6,091,374)
	7105015030	3005	30.09.2015	1	1,112,948,041	(547,165,436)
	7105015030	3005	31.01.2023	1	19,949,350	(4,987,337)
	7105015030	3005	28.02.2023	1	1,950,644	(471,406)
	7105015030	3005	31.03.2023	1	2,633,602	(614,507)
	7105015030	3005	30.04.2023	1	3,029,080	(681,543)
	7105015030	3005	31.05.2023	1	6,339,993	(1,373,665)
	7105015030	3005	30.06.2023	1	1,137,688	(237,018)
	7105015030	3005	31.08.2023	1	1,557,649	(298,549)
	7105015030	3005	31.08.2023	1	1,286,865	(246,649)
	7105015030	3005	30.09.2023	1	3,574,326	(655,293)
	7105015030	3005	30.11.2023	1	721,119	(120,186)
	7105015030	3005	31.12.2023	1	6,586,763	(1,042,904)
	7105015030	3005	31.01.2024	1	155,279	(23,292)
	7105015030	3005	29.02.2024	1	98,295,693	(13,925,223)
	7105015030	3005	31.03.2024	1	3,360,891	(448,119)
	7105015030	3005	30.04.2024	1	1,975,127	(246,891)
	7105015030	3005	31.05.2024	1	2,296,228	(267,893)
	7105015030	3005	30.06.2024	1	4,506,771	(488,233)
	7105015030	3005	31.07.2024	1	5,529,358	(552,936)
	7105015030	3005	31.01.2025	1	476,820	(23,841)
	7105015030	3005	30.11.2024	1	1,486,817	(99,121)
	7105015030	3005	31.10.2024	1	3,201,452	(240,109)
	7105015030	3005	31.12.2024	1	1,501,945	(87,613)
	7105015030	3005	31.12.2024	1	5,476,368	(319,455)
	7105015030	3005	31.01.2025	1	19,335,795	(966,790)
	7105015030	3005	30.04.2025	1	3,951,730	(98,793)
	7105015030	3005	31.05.2025	1	3,366,191	(56,103)
	7105015030	3005	30.06.2025	1	3,938,166	(32,818)
	700005030	3005	30.09.2015	1	187,779,728	(92,252,713)
	700005030	3005	31.03.2023	1	195,000	(45,500)
	700005030	3005	28.02.2023	1	607,290	(146,762)
	700005030	3005	31.07.2023	1	1,251,434	(250,287)
	700005030	3005	31.05.2024	1	3,796,475	(442,922)
	700005030	3005	30.09.2023	1	2,947,500	(540,375)
	700005030	3005	30.09.2023	1	8,395,150	(1,539,111)
	700005030	3005	30.04.2024	1	2,291,810	(286,476)
	700005030	3005	31.07.2024	1	1,016,647	(101,665)
	700005030	3005	31.12.2024	1	398,880	(23,268)

	700005030	3005	31.03.2025	1	757,230	(25,241)
	700005030	3005	30.04.2025	1	1,776,712	(44,418)
	700005030	3005	30.09.2015	1	131,316,242	(64,510,751)
	700005030	3005	31.03.2023	1	549,150	(128,135)
	700005030	3005	30.04.2023	1	931,250	(209,531)
	700005030	3005	30.04.2024	1	470,000	(58,750)
	700005030	3005	31.01.2025	1	538,034	(26,902)
	700005030	3005	31.03.2025	1	425,000	(14,167)
	700005030	3005	30.09.2015	1	180,258,195	(88,507,546)
	7105015030	3005	30.09.2015	1	56,903,929	(27,969,330)
	7105015030	3005	30.11.2023	1	385,000	(64,167)
	7105015030	3005	30.04.2024	1	320,000	(40,000)
	7105015030	3005	31.03.2025	1	2,532,299	(84,410)
	700005030	3005	30.09.2015	1	44,675,900	(21,965,651)
	700005030	3005	31.10.2023	1	315,300	(55,178)
	700005030	3005	30.09.2015	1	19,867,365	(9,810,465)
	700005030	3005	31.12.2023	1	630,000	(99,750)
	700005030	3005	30.09.2015	1	74,730,007	(36,742,193)
	700005030	3005	30.09.2015	1	1,210,000	(594,917)
	700005030	3005	30.09.2015	1	28,857,254	(14,055,667)
	700005030	3005	30.09.2015	1	24,979,500	(12,173,128)
	700005030	3005	30.09.2023	1	228,250	(41,846)
	700005030	3005	31.01.2024	1	225,000	(33,750)
	700005030	3005	30.09.2024	1	1,588,692	(132,391)
	700005030	3005	31.03.2025	1	1,360,000	(45,333)
	700005030	3005	30.06.2025	1	162,000	(1,350)
	700005030	3005	30.09.2015	1	2,832,220	(1,380,943)
	7105015030	3005	30.09.2015	1	3,732,225	(1,829,954)
	700005030	3005	22.10.2015	1	420,000	(204,750)
	700005030	3005	22.10.2015	1	420,000	(204,750)
	700005030	3005	22.10.2015	1	420,000	(204,750)
	700005030	3005	22.10.2015	1	420,000	(204,750)
	700005030	3005	22.10.2015	1	420,000	(204,750)
	700005030	3005	22.10.2015	1	250,000	(121,875)
	700005030	3005	31.10.2015	1	362,665,817	(176,818,351)
	700005030	3005	31.01.2023	1	473,541	(118,385)
	700005030	3005	31.12.2023	1	172,687	(27,342)
	700005030	3005	30.06.2023	1	1,045,240	(217,758)
	700005030	3005	30.09.2023	1	473,541	(86,816)
	700005030	3005	30.11.2023	1	673,322	(112,220)
	700005030	3005	31.12.2023	1	16,411,346	(2,598,463)
	700005030	3005	29.02.2024	1	841,596	(119,226)
	700005030	3005	30.04.2024	1	1,556,244	(194,531)
	700005030	3005	31.05.2024	1	202,893	(23,671)
	700005030	3005	30.11.2024	1	501,800	(33,453)
	700005030	3005	31.10.2024	1	615,000	(46,125)
	700005030	3005	30.11.2024	1	343,792	(22,919)

	7000005030	3005	31.12.2024	1	4,109,503	(239,721)
	7000005030	3005	31.01.2025	1	3,855,603	(192,780)
	7000005030	3005	28.02.2025	1	446,787	(18,616)
	7000005030	3005	30.04.2025	1	992,374	(24,809)
	7000005030	3005	30.04.2025	1	297,036	(7,426)
	7000005030	3005	30.06.2025	1	971,680	(8,097)
	7105015030	3005	31.10.2015	1	6,000,000	(2,925,000)
	7102015030	3005	30.11.2015	1	82,998,940	(40,116,155)
	7102015030	3005	31.01.2023	1	7,558,948	(1,889,737)
	7102015030	3005	30.04.2023	1	4,633,605	(1,042,561)
	7102015030	3005	30.09.2023	1	188,846	(34,622)
	7102015030	3005	31.10.2023	1	500,000	(87,500)
	7102015030	3005	29.02.2024	1	1,137,602	(161,160)
	7102015030	3005	31.10.2024	1	748,000	(56,100)
	7102015030	3005	30.06.2024	1	188,846	(20,458)
	7102015030	3005	31.08.2024	1	1,476,175	(135,316)
	7102015030	3005	31.12.2024	1	2,200,079	(128,338)
	7102015030	3005	31.12.2024	1	2,243,649	(130,880)
	7102015030	3005	31.01.2025	1	561,000	(28,050)
	7102015030	3005	28.02.2025	1	2,922,540	(121,773)
	7102015030	3005	31.05.2025	1	663,214	(11,054)
	7000005030	3005	30.11.2015	1	589,000	(284,683)
	7102015030	3005	30.11.2015	1	1,542,500	(745,542)
	7102015030	3005	31.01.2023	1	1,580,370	(395,093)
	7102015030	3005	31.05.2024	1	411,840	(48,048)
	7000005030	3005	30.11.2015	1	47,500	(22,958)
	7000005030	3005	30.11.2015	1	2,200,000	(1,063,333)
	7000005030	3005	30.11.2015	1	603,275	(291,583)
	7000005030	3005	30.11.2015	1	53,919,618	(26,061,149)
	7000005030	3005	30.11.2015	2	84,222,020	(40,707,309)
	7000005030	3005	28.02.2023	2	11,063,937	(2,673,785)
	7000005030	3005	30.11.2023	2	205,891	(34,315)
	7000005030	3005	29.02.2024	2	1,303,990	(184,732)
	7000005030	3005	31.12.2024	2	282,000	(16,450)
	7000005030	3005	28.02.2025	2	900,596	(37,525)
	7105015030	3005	30.11.2015	1	14,335,941	(7,096,778)
	7000005030	3005	15.06.2016	1	557,935	(253,395)
	7000005030	3005	01.06.2016	1	58,500	(26,569)
	7000005030	3005	01.06.2016	1	58,500	(26,569)
	7000005030	3005	01.06.2016	1	494,141	(224,422)
	7000005030	3005	01.06.2016	1	626,208	(284,403)
	7000005030	3005	01.06.2016	1	325,000	(147,604)
	7000005030	3005	01.06.2016	1	110,000	(49,958)
	7000005030	3005	01.06.2016	1	70,000	(31,792)
	7000005030	3005	01.06.2016	1	50,000	(22,708)
	7000005030	3005	01.06.2016	1	90,000	(40,875)
	7000005030	3005	01.06.2016	1	25,000	(11,354)

	700005030	3005	01.06.2016	1	30,000	(13,625)
	700005030	3005	01.06.2016	1	18,000	(8,175)
	700005030	3005	01.06.2016	1	39,500	(17,940)
	700005030	3005	01.06.2016	1	58,000	(26,342)
	700005030	3005	01.06.2016	1	57,000	(25,888)
	700005030	3005	01.06.2016	1	57,000	(25,888)
	700005030	3005	01.06.2016	1	57,000	(25,888)
	700005030	3005	01.06.2016	1	65,000	(29,521)
	700005030	3005	01.06.2016	1	861,165	(391,112)
	700005030	3005	01.06.2016	1	175,500	(79,706)
	700005030	3005	01.06.2016	1	70,000	(31,792)
	700005030	3005	01.06.2016	1	1,301,000	(590,871)
	700005030	3005	25.08.2016	1	386,026	(172,103)
	700005030	3005	30.08.2016	1	184,700	(82,345)
	700005030	3005	30.08.2016	1	1,400,000	(624,167)
	700005030	3005	30.08.2016	1	665,300	(296,613)
	700005030	3005	01.09.2016	2	280,000	(123,667)
	700005030	3005	01.09.2016	1	185,000	(81,708)
	700005030	3005	01.09.2016	1	185,000	(81,708)
	700005030	3005	01.09.2016	1	170,000	(75,083)
	700005030	3005	01.09.2016	1	130,000	(57,417)
	700005030	3005	01.09.2016	2	295,000	(130,292)
	700005030	3005	01.09.2016	1	140,000	(61,833)
	700005030	3005	01.09.2016	1	200,000	(88,333)
	700005030	3005	01.09.2016	1	140,000	(61,833)
	700005030	3005	01.09.2016	1	255,000	(112,625)
	700005030	3005	01.11.2016	1	5,822,754	(2,523,193)
	7102015030	3005	01.11.2016	1	29,954,336	(12,974,010)
	7102015030	3005	31.05.2017	1	119,242	(48,690)
	700005030	3005	01.12.2016	2	1,452,403	(623,323)
	700005030	3005	31.05.2017	1	701,100	(286,283)
	700005030	3005	30.06.2017	1	25,705,237	(10,709,771)
	730005030	3005	30.09.2015	1	4,057,227	(1,994,803)
	730005030	3005	30.09.2015	1	697,828	(343,099)
	730005030	3005	30.09.2015	1	3,000,878	(1,475,432)
	730005030	3005	30.09.2015	1	164,234	(80,748)
	730005030	3005	30.09.2015	1	676,150	(332,440)
	730005030	3005	30.09.2015	1	163,702	(80,487)
	730005030	3005	30.09.2015	1	21,886	(10,761)
	730005030	3005	30.09.2015	1	56,050	(27,558)
	730005030	3005	30.09.2015	1	1,324,916	(651,417)
	730005030	3005	30.09.2015	1	3,117,628	(1,532,834)
	730005030	3005	30.09.2015	1	179,182	(88,098)
	730005030	3005	30.09.2015	1	498,756	(245,222)
	730005030	3005	30.09.2015	1	29,537	(14,522)
	730005030	3005	30.09.2015	1	98,577	(48,467)

	7300005030	3005	30.09.2015	1	210,499	(103,495)
	7300005030	3005	30.09.2015	1	42,883	(21,084)
	7300005030	3005	30.09.2015	1	42,883	(21,084)
	7300005030	3005	30.09.2015	1	51,424	(25,283)
	7300005030	3005	30.09.2015	1	140,214	(68,939)
	7300005030	3005	30.09.2015	1	763,882	(375,575)
	7300005030	3005	30.09.2015	1	62,278	(30,620)
	7300005030	3005	30.09.2015	1	152,848	(75,150)
	7300005030	3005	30.09.2015	1	10,854	(5,337)
	7300005030	3005	30.09.2015	1	6,033,119	(2,966,284)
	7300005030	3005	30.09.2015	1	101,246	(49,779)
	7300005030	3005	30.09.2015	1	171,531	(84,336)
	7300005030	3005	30.09.2015	1	210,410	(103,452)
	7300005030	3005	30.09.2015	1	210,410	(103,452)
	7300005030	3005	30.09.2015	1	71,708	(35,256)
	7300005030	3005	30.09.2015	1	91,993	(45,230)
	7300005030	3005	30.09.2015	1	116,904	(57,478)
	7300005030	3005	30.09.2015	1	210,499	(103,495)
	7300005030	3005	30.09.2015	1	6,940	(3,412)
	7300005030	3005	30.09.2015	1	10,676	(5,249)
	7300005030	3005	30.09.2015	1	65,481	(32,195)
	7300005030	3005	30.09.2015	1	202,670	(99,646)
	7300005030	3005	30.09.2015	1	264,948	(130,266)
	7300005030	3005	30.09.2015	1	171,531	(84,336)
	7300005030	3005	30.09.2015	1	104,449	(51,354)
	7300005030	3005	30.09.2015	1	171,531	(84,336)
	7300005030	3005	30.09.2015	1	7,829	(3,849)
	7300005030	3005	30.09.2015	1	140,214	(68,939)
	7300005030	3005	30.09.2015	1	152,848	(75,150)
	7300005030	3005	30.09.2015	1	561,212	(275,929)
	7300005030	3005	30.09.2015	1	151,246	(74,363)
	7300005030	3005	30.09.2015	1	171,531	(84,336)
	7300005030	3005	30.09.2015	1	194,841	(95,797)
	7300005030	3005	30.09.2015	1	584,522	(287,390)
	7300005030	3005	30.09.2015	1	152,848	(75,150)
	7300005030	3005	30.09.2015	1	459,788	(226,062)
	7300005030	3005	30.09.2015	1	880,786	(433,053)
	7300005030	3005	30.09.2015	1	38,968	(19,159)
	7300005030	3005	30.09.2015	1	644,308	(316,785)
	7300005030	3005	30.09.2015	1	504,984	(248,284)
	7300005030	3005	30.09.2015	1	534	(263)
	7300005030	3005	30.09.2015	1	6,228	(3,062)
	7300005030	3005	30.09.2015	1	534	(263)
	7300005030	3005	30.09.2015	1	54,627	(26,858)
	7300005030	3005	30.09.2015	1	18,683	(9,186)
	7300005030	3005	30.09.2015	1	733,277	(360,528)
	7300005030	3005	30.09.2015	1	220,463	(108,394)

	7300005030	3005	30.09.2015	1	106,762	(52,491)
	7300005030	3005	30.09.2015	1	615,661	(302,700)
	7300005030	3005	30.09.2015	1	245,197	(120,555)
	7300005030	3005	30.09.2015	1	692,885	(340,668)
	7300005030	3005	30.09.2015	1	143,061	(70,338)
	7300005030	3005	30.09.2015	1	278,471	(136,915)
	7300005030	3005	30.09.2015	1	238,080	(117,056)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	173,307	(85,209)
	7000005030	3005	30.09.2015	1	860,054	(422,860)
	7000005030	3005	30.09.2015	1	860,054	(422,860)
	7000005030	3005	30.09.2015	1	365,569	(179,738)
	7000005030	3005	30.09.2015	1	365,569	(179,738)
	7000005030	3005	30.09.2015	1	2,790,923	(1,372,204)
	7000005030	3005	30.09.2015	1	180,060	(88,530)
	7000005030	3005	30.09.2015	1	8,440	(4,150)
	7000005030	3005	30.09.2015	1	5,176,712	(2,545,217)
	7000005030	3005	30.09.2015	1	7,803	(3,836)
	7000005030	3005	30.09.2015	1	117,690	(57,864)
	7000005030	3005	30.09.2015	1	117,690	(57,864)
	7000005030	3005	30.09.2015	1	41,639	(20,473)
	7000005030	3005	30.09.2015	1	41,639	(20,473)
	7000005030	3005	30.09.2015	1	2,473,776	(1,216,273)
	7000005030	3005	30.09.2015	1	548,101	(269,483)
	7000005030	3005	30.09.2015	1	59,559	(29,283)
	7000005030	3005	30.09.2015	1	59,559	(29,283)
	7000005030	3005	30.09.2015	1	742,068	(364,850)
	7000005030	3005	30.09.2015	1	742,068	(364,850)
	7000005030	3005	30.09.2015	1	333,523	(163,982)
	7000005030	3005	30.09.2015	1	43,335	(21,306)
	7000005030	3005	30.09.2015	1	44,675,900	(21,965,651)
	7000005030	3005	30.09.2015	1	91,289,679	(44,845,441)
	7000005030	3005	30.09.2015	1	5,935,952	(2,915,997)
	7000005030	3005	30.09.2015	1	4,724,332	(2,320,796)
	7000005030	3005	30.11.2023	1	240,000	(40,000)
	7000005030	3005	31.03.2024	1	1,900,000	(253,333)
	7000005030	3005	30.09.2015	1	4,724,332	(2,320,796)

	7102015030	3005	30.09.2015	1	30,853,317	(15,169,013)
	7102015030	3005	30.09.2015	1	6,162,930	(3,030,001)
	7102025030	3005	01.07.2017	1	627,725,939	(251,069,366)
	7102025030	3005	31.01.2023	1	6,493,483	(1,623,371)
	7102025030	3005	28.02.2023	1	2,848,775	(688,454)
	7102025030	3005	31.03.2023	1	3,319,752	(774,609)
	7102025030	3005	30.04.2023	1	6,005,062	(1,351,139)
	7102025030	3005	31.05.2023	1	8,192,238	(1,774,985)
	7102025030	3005	30.09.2023	1	153,757	(28,189)
	7102025030	3005	31.08.2023	1	490,131	(93,942)
	7102025030	3005	30.09.2023	1	1,712,309	(313,923)
	7102025030	3005	30.11.2023	1	2,129,853	(354,976)
	7102025030	3005	31.12.2023	1	8,736,560	(1,383,289)
	7102025030	3005	31.01.2024	1	4,867,746	(730,162)
	7102025030	3005	29.02.2024	1	412,586	(58,450)
	7102025030	3005	30.04.2024	1	1,531,471	(191,434)
	7102025030	3005	31.05.2024	1	1,550,927	(180,942)
	7102025030	3005	30.06.2024	1	2,011,388	(217,900)
	7102025030	3005	31.07.2024	1	2,812,017	(281,202)
	7102025030	3005	31.08.2024	1	1,356,206	(124,319)
	7102025030	3005	30.09.2024	1	3,961,454	(330,121)
	7102025030	3005	31.10.2024	1	2,212,368	(165,928)
	7102025030	3005	30.11.2024	1	5,768,494	(384,566)
	7102025030	3005	31.12.2024	1	7,506,057	(437,853)
	7102025030	3005	31.01.2025	1	1,004,613	(50,231)
	7102025030	3005	28.02.2025	1	6,509,674	(271,236)
	7102025030	3005	31.03.2025	1	4,985,579	(166,186)
	7102025030	3005	30.04.2025	1	3,695,093	(92,377)
	7102025030	3005	31.05.2025	1	1,800,908	(30,015)
	7102025030	3005	30.06.2025	1	1,081,854	(9,015)
	7102025030	3005	28.02.2018	1	3,276,416	(1,215,004)
	5029995130	3005	01.08.2017	1	253,500	(100,344)
	7000005030	3005	31.08.2017	1	26,019,403	(10,299,347)
	7000005030	3005	31.01.2023	1	5,030,613	(1,257,653)
	7000005030	3005	31.08.2023	1	298,503	(57,213)
	7000005030	3005	31.01.2024	1	686,499	(102,975)
	7000005030	3005	31.12.2024	1	3,453,947	(201,480)
	7000005030	3005	31.08.2017	1	105,008,833	(41,565,997)
	7000005030	3005	31.08.2017	1	32,116,919	(12,712,947)
	7000005030	3005	31.08.2017	1	3,000,000	(1,187,500)
	7000005030	3005	31.08.2017	1	3,000,000	(1,187,500)
	7000005030	3005	31.08.2017	1	8,812,435	(3,488,256)
	7000005030	3005	31.08.2017	1	31,158,324	(12,298,469)
	7000005030	3005	31.01.2023	1	225,000	(56,250)
	7000005030	3005	31.07.2023	1	803,600	(160,720)
	7000005030	3005	30.04.2024	1	534,854	(66,857)
	7000005030	3005	31.08.2017	1	12,650,000	(5,007,292)

	700005030	3005	31.08.2017	1	2,885,500	(1,142,177)
	700005030	3005	31.08.2017	1	1,536,478	(608,189)
	700005030	3005	31.05.2023	1	467,682	(101,331)
	700005030	3005	30.11.2023	1	2,487,328	(414,555)
	700005030	3005	31.01.2024	1	282,000	(42,300)
	700005030	3005	31.12.2024	1	1,237,909	(72,211)
	700005030	3005	30.04.2025	1	1,948,722	(48,718)
	700005030	3005	31.08.2017	1	177,812	(70,384)
	700005030	3005	31.08.2017	1	1,504,563	(595,556)
	700005030	3005	31.08.2017	1	3,041,042	(1,203,746)
	700005030	3005	31.08.2017	1	3,328,276	(1,317,443)
	700005030	3005	01.09.2017	1	16,753,138	(6,557,448)
	700005030	3005	01.09.2017	1	6,122,512	(2,397,984)
	700005030	3005	30.11.2017	1	528,000	(202,400)
	7102015030	3005	28.12.2017	1	30,934,246	(11,729,235)
	700005030	3005	30.04.2018	1	20,528,141	(7,441,451)
	700005030	3005	30.04.2018	1	3,688,160	(1,336,958)
	700005030	3005	30.11.2018	1	40,853,208	(13,617,736)
	7102035030	3005	01.02.2019	1	1,052,669,153	(335,950,234)
	7102035030	3005	31.01.2023	1	8,282,314	(2,070,579)
	7102035030	3005	31.03.2023	1	8,656,072	(2,019,750)
	7102035030	3005	30.04.2023	1	3,501,348	(787,803)
	7102035030	3005	31.05.2023	1	4,738,684	(1,026,715)
	7102035030	3005	30.06.2023	1	317,643	(66,176)
	7102035030	3005	30.09.2023	1	1,721,214	(315,556)
	7102035030	3005	31.08.2023	1	3,399,954	(651,658)
	7102035030	3005	31.10.2023	1	2,504,723	(438,327)
	7102035030	3005	30.11.2023	1	1,739,422	(289,904)
	7102035030	3005	30.11.2023	1	2,983,806	(497,301)
	7102035030	3005	31.12.2023	1	6,127,128	(970,129)
	7102035030	3005	29.02.2024	1	1,641,080	(232,486)
	7102035030	3005	29.02.2024	1	4,513,194	(639,369)
	7102035030	3005	31.03.2024	1	4,271,964	(569,595)
	7102035030	3005	30.04.2024	1	648,080	(81,010)
	7102035030	3005	31.05.2024	1	1,380,733	(161,086)
	7102035030	3005	30.06.2024	1	1,704,070	(184,608)
	7102035030	3005	31.07.2024	1	10,238,936	(1,023,894)
	7102035030	3005	30.09.2024	1	169,034	(14,086)
	7102035030	3005	31.10.2024	1	1,613,258	(120,994)
	7102035030	3005	30.11.2024	1	3,028,643	(201,910)
	7102035030	3005	31.12.2024	1	1,281,431	(74,750)
	7102035030	3005	31.01.2025	1	409,358	(20,468)
	7102035030	3005	28.02.2025	1	6,942,968	(289,290)
	7102035030	3005	31.03.2025	1	3,332,702	(111,090)
	7102035030	3005	30.04.2025	1	2,598,118	(64,953)
	7102035030	3005	31.05.2025	1	4,554,790	(75,913)
	7102035030	3005	30.06.2025	1	971,971	(8,100)

	7102035030	3005	01.11.2020	1	4,316,371	(1,103,730)
	7102035030	3005	01.02.2019	1	36,660,191	(11,734,683)
	7102035030	3005	31.01.2023	1	2,103,152	(525,788)
	7102035030	3005	31.08.2023	1	3,316,520	(635,666)
	7102035030	3005	30.11.2023	1	170,796	(28,466)
	7102035030	3005	31.05.2025	1	6,965,412	(116,090)
	7102035030	3005	30.06.2025	1	540,813	(4,507)
	7102035030	3005	01.02.2019	1	17,003,375	(5,454,351)
	7102035030	3005	01.02.2019	1	2,317,719	(743,602)
	7102035030	3005	01.02.2019	1	3,216,530	(1,031,970)
	7102035030	3005	31.08.2024	1	3,475,000	(318,542)
	7102035030	3005	01.02.2019	1	2,893,362	(928,287)
	7102035030	3005	01.02.2019	1	2,620,689	(840,804)
	7102035030	3005	01.02.2019	1	149,945,552	(47,800,076)
	7102035030	3005	01.02.2019	1	4,850,000	(1,556,042)
	7102035030	3005	01.02.2019	1	6,343,175	(2,035,102)
	7102035030	3005	01.02.2019	1	4,223,616	(1,355,077)
	7102035030	3005	01.06.2019	1	550,000	(167,292)
	7102035030	3005	01.06.2019	1	412,900	(125,590)
	7102035030	3005	01.06.2019	1	412,900	(125,590)
	7102035030	3005	01.06.2019	1	412,900	(125,590)
	7102035030	3005	01.06.2019	1	50,000	(15,208)
	7102035030	3005	01.07.2019	1	439,926	(131,978)
	7102035030	3005	01.07.2019	1	243,333	(73,000)
	7102035030	3005	01.07.2019	1	243,333	(73,000)
	7102035030	3005	01.07.2019	1	243,333	(73,000)
	7102035030	3005	01.07.2019	1	1,762,000	(528,600)
	7000005030	3005	01.12.2019	1	470,490	(131,345)
	7000005030	3005	01.12.2019	1	4,511,075	(1,220,686)
	7000005030	3005	01.12.2019	1	23,547,137	(6,573,576)
	7102035030	3005	01.12.2019	1	43,846,740	(12,240,548)
	7102035030	3005	31.08.2024	1	1,312,781	(120,338)
	7102035030	3005	30.09.2024	1	960,733	(80,061)
	7000005030	3005	01.02.2020	1	544,979	(147,170)
	7102035030	3005	01.11.2020	1	6,728,165	(1,569,905)
	7102035030	3005	01.11.2020	1	6,664,616	(1,555,077)
	7102035030	3005	31.03.2021	1	383,328	(83,054)
	7000005030	3005	15.11.2021	1	870,000	(159,500)
	7000005030	3005	31.12.2021	1	9,314,197	(1,668,794)
	7000005030	3005	29.06.2022	1	1,110,769	(171,244)
	7000005030	3005	30.06.2022	1	1,069,317	(164,853)
	7000005030	3005	30.06.2022	1	848,500	(130,810)
	7000005030	3005	30.06.2022	1	347,000	(53,496)
	7000005030	3005	31.07.2022	1	263,000	(39,450)
	7102015030	3005	29.12.2022	1	683,159	(88,241)
	7000005030	3005	28.02.2023	1	15,098,209	(1,824,367)
	7102025030	3005	22.06.2023	1	47,179,095	(4,914,489)

	7102025030	3005	22.06.2023	1	9,232,424	(961,711)
	7000005030	3005	22.06.2023	2	971,800	(101,229)
	7000005030	3005	22.06.2023	1	7,473,870	(778,528)
	7102015030	3005	22.06.2023	1	15,678,557	(1,633,183)
	7000005030	3005	22.06.2023	1	9,656,484	(1,005,884)

Book val.	Crcy
513,929	PKR
1,248,206	PKR
27,172	PKR
759,138	PKR
-	PKR
-	PKR
38,718	PKR
-	PKR
-	PKR
-	PKR
982	PKR
6,603	PKR
401	PKR
364,072	PKR
-	PKR
31,946	PKR
31,946	PKR
14,437	PKR
64,626	PKR
40,189	PKR
156,072	PKR
913,174	PKR
1,002,469	PKR
182,688	PKR
29,192	PKR
19,775	PKR
34,842	PKR
912,333	PKR
316,350	PKR
313,752,950	PKR
1,246,863	PKR
1,479,089	PKR
3,636,700	PKR
2,941,524	PKR
2,119,498	PKR
2,843,369	PKR
1,218,407	PKR
3,416,207	PKR
5,081,563	PKR
2,510,749	PKR
2,253,501	PKR
3,854,447	PKR
6,812,839	PKR
1,779,964	PKR
866,924	PKR

4,737,600	PKR
1,831,837	PKR
5,686,277	PKR
7,148,377	PKR
3,970,859	PKR
1,266,043	PKR
4,249,530	PKR
644,947	PKR
910,163	PKR
1,574,800	PKR
1,859,307	PKR
62,622,599	PKR
3,024,857	PKR
3,098,255	PKR
3,124,956	PKR
1,875,176	PKR
212,072	PKR
3,312,912	PKR
8,295,847	PKR
230,517	PKR
2,997,404	PKR
3,152,215	PKR
269,461	PKR
278,056	PKR
4,860,888	PKR
1,828,451	PKR
5,156,111	PKR
1,062,111	PKR
7,141,077	PKR
5,029,065	PKR
1,539,664	PKR
669,331	PKR
11,007,500	PKR
5,767,843	PKR
7,179,581	PKR
28,600,538	PKR
308,750	PKR
542,500	PKR
484,500	PKR
1,150,000	PKR
962,500	PKR
13,604,779	PKR
183,589	PKR
12,019,180	PKR
3,772,960	PKR
1,120,609	PKR
5,593,173	PKR

409,098	PKR
12,540,638	PKR
584,766	PKR
6,998,732	PKR
15,243,458	PKR
30,685,337	PKR
23,135,683	PKR
518,000	PKR
6,327,190	PKR
565,782,605	PKR
14,962,012	PKR
1,479,238	PKR
2,019,095	PKR
2,347,537	PKR
4,966,328	PKR
900,670	PKR
1,259,099	PKR
1,040,216	PKR
2,919,033	PKR
600,932	PKR
5,543,859	PKR
131,987	PKR
84,370,470	PKR
2,912,772	PKR
1,728,236	PKR
2,028,335	PKR
4,018,537	PKR
4,976,422	PKR
452,979	PKR
1,387,696	PKR
2,961,343	PKR
1,414,332	PKR
5,156,913	PKR
18,369,005	PKR
3,852,936	PKR
3,310,087	PKR
3,905,348	PKR
95,527,015	PKR
149,500	PKR
460,528	PKR
1,001,147	PKR
3,353,553	PKR
2,407,125	PKR
6,856,039	PKR
2,005,334	PKR
914,983	PKR
375,612	PKR

731,989	PKR
1,732,294	PKR
66,805,491	PKR
421,015	PKR
721,719	PKR
411,250	PKR
511,132	PKR
410,833	PKR
91,750,649	PKR
28,934,599	PKR
320,833	PKR
280,000	PKR
2,447,889	PKR
22,710,249	PKR
260,123	PKR
10,056,900	PKR
530,250	PKR
37,987,814	PKR
615,083	PKR
14,801,587	PKR
12,806,372	PKR
186,404	PKR
191,250	PKR
1,456,301	PKR
1,314,667	PKR
160,650	PKR
1,451,277	PKR
1,902,271	PKR
215,250	PKR
128,125	PKR
185,847,466	PKR
355,156	PKR
145,345	PKR
827,482	PKR
386,725	PKR
561,101	PKR
13,812,883	PKR
722,370	PKR
1,361,714	PKR
179,222	PKR
468,347	PKR
568,875	PKR
320,872	PKR

3,869,782	PKR
3,662,823	PKR
428,171	PKR
967,565	PKR
289,610	PKR
963,583	PKR
3,075,000	PKR
42,882,786	PKR
5,669,211	PKR
3,591,044	PKR
154,224	PKR
412,500	PKR
976,442	PKR
691,900	PKR
168,387	PKR
1,340,859	PKR
2,071,741	PKR
2,112,769	PKR
532,950	PKR
2,800,768	PKR
652,161	PKR
304,317	PKR
796,958	PKR
1,185,278	PKR
363,792	PKR
24,542	PKR
1,136,667	PKR
311,692	PKR
27,858,469	PKR
43,514,710	PKR
8,390,152	PKR
171,576	PKR
1,119,258	PKR
265,550	PKR
863,071	PKR
7,239,164	PKR
304,540	PKR
31,931	PKR
31,931	PKR
269,719	PKR
341,805	PKR
177,396	PKR
60,042	PKR
38,208	PKR
27,292	PKR
49,125	PKR
13,646	PKR

16,375	PKR
9,825	PKR
21,560	PKR
31,658	PKR
31,113	PKR
35,479	PKR
470,053	PKR
95,794	PKR
38,208	PKR
710,129	PKR
213,923	PKR
102,355	PKR
775,833	PKR
368,687	PKR
156,333	PKR
103,292	PKR
103,292	PKR
94,917	PKR
72,583	PKR
164,708	PKR
78,167	PKR
111,667	PKR
78,167	PKR
142,375	PKR
3,299,561	PKR
16,980,326	PKR
70,552	PKR
829,080	PKR
414,818	PKR
14,995,466	PKR
2,062,424	PKR
354,729	PKR
1,525,446	PKR
83,486	PKR
343,710	PKR
83,215	PKR
11,125	PKR
28,492	PKR
673,499	PKR
1,584,794	PKR
91,084	PKR
253,534	PKR
15,015	PKR
50,110	PKR

107,004	PKR
21,799	PKR
21,799	PKR
26,141	PKR
71,275	PKR
388,307	PKR
31,658	PKR
77,698	PKR
5,517	PKR
3,066,835	PKR
51,467	PKR
87,195	PKR
106,958	PKR
106,958	PKR
36,452	PKR
46,763	PKR
59,426	PKR
107,004	PKR
3,528	PKR
5,427	PKR
33,286	PKR
103,024	PKR
134,682	PKR
87,195	PKR
53,095	PKR
87,195	PKR
3,980	PKR
71,275	PKR
77,698	PKR
285,283	PKR
76,883	PKR
87,195	PKR
99,044	PKR
297,132	PKR
77,698	PKR
233,726	PKR
447,733	PKR
19,809	PKR
327,523	PKR
256,700	PKR
271	PKR
3,166	PKR
271	PKR
27,769	PKR
9,497	PKR
372,749	PKR
112,069	PKR

54,271	PKR
312,961	PKR
124,642	PKR
352,217	PKR
72,723	PKR
141,556	PKR
121,024	PKR
88,098	PKR
437,194	PKR
437,194	PKR
185,831	PKR
185,831	PKR
1,418,719	PKR
91,531	PKR
4,290	PKR
2,631,495	PKR
3,967	PKR
59,826	PKR
59,826	PKR
21,166	PKR
21,166	PKR
1,257,503	PKR
278,618	PKR
30,276	PKR
30,276	PKR
377,218	PKR
377,218	PKR
169,541	PKR
22,029	PKR
22,710,249	PKR
46,444,238	PKR
3,019,956	PKR
2,403,536	PKR
200,000	PKR
1,646,667	PKR
2,403,536	PKR

15,684,304	PKR
3,132,930	PKR
376,656,573	PKR
4,870,112	PKR
2,160,321	PKR
2,545,143	PKR
4,653,923	PKR
6,417,253	PKR
125,568	PKR
396,190	PKR
1,398,386	PKR
1,774,878	PKR
7,353,271	PKR
4,137,584	PKR
354,136	PKR
1,340,037	PKR
1,369,986	PKR
1,793,488	PKR
2,530,815	PKR
1,231,887	PKR
3,631,333	PKR
2,046,440	PKR
5,383,928	PKR
7,068,204	PKR
954,382	PKR
6,238,438	PKR
4,819,393	PKR
3,602,715	PKR
1,770,893	PKR
1,072,839	PKR
2,061,412	PKR
153,156	PKR
15,720,056	PKR
3,772,960	PKR
241,290	PKR
583,524	PKR
3,252,466	PKR
63,442,837	PKR
19,403,972	PKR
1,812,500	PKR
1,812,500	PKR
5,324,179	PKR
18,859,854	PKR
168,750	PKR
642,880	PKR
467,997	PKR
7,642,708	PKR

1,743,323	PKR
928,289	PKR
366,351	PKR
2,072,773	PKR
239,700	PKR
1,165,698	PKR
1,900,004	PKR
107,428	PKR
909,007	PKR
1,837,296	PKR
2,010,833	PKR
10,195,690	PKR
3,724,528	PKR
325,600	PKR
19,205,011	PKR
13,086,690	PKR
2,351,202	PKR
27,235,472	PKR
716,718,919	PKR
6,211,736	PKR
6,636,322	PKR
2,713,544	PKR
3,711,969	PKR
251,467	PKR
1,405,658	PKR
2,748,296	PKR
2,066,397	PKR
1,449,518	PKR
2,486,505	PKR
5,157,000	PKR
1,408,594	PKR
3,873,825	PKR
3,702,369	PKR
567,070	PKR
1,219,648	PKR
1,519,462	PKR
9,215,043	PKR
154,948	PKR
1,492,263	PKR
2,826,734	PKR
1,206,681	PKR
388,890	PKR
6,653,678	PKR
3,221,612	PKR
2,533,165	PKR
4,478,877	PKR
963,871	PKR

3,212,641	PKR
24,925,508	PKR
1,577,364	PKR
2,680,854	PKR
142,330	PKR
6,849,322	PKR
536,306	PKR
11,549,024	PKR
1,574,117	PKR
2,184,560	PKR
3,156,458	PKR
1,965,075	PKR
1,779,885	PKR
102,145,476	PKR
3,293,958	PKR
4,308,073	PKR
2,868,539	PKR
382,708	PKR
287,310	PKR
287,310	PKR
287,310	PKR
34,792	PKR
307,948	PKR
170,333	PKR
170,333	PKR
170,333	PKR
1,233,400	PKR
339,145	PKR
3,290,389	PKR
16,973,561	PKR
31,606,192	PKR
1,192,443	PKR
880,672	PKR
397,809	PKR
5,158,260	PKR
5,109,539	PKR
300,274	PKR
710,500	PKR
7,645,404	PKR
939,525	PKR
904,464	PKR
717,690	PKR
293,504	PKR
223,550	PKR
594,917	PKR
13,273,842	PKR
42,264,606	PKR

8,270,713	PKR
870,571	PKR
6,695,342	PKR
14,045,374	PKR
8,650,600	PKR

ANNEXURE-F

GOOGLE EARTH MAPS

Installation of a new bottling facility i.e., 1 Glass Bottle line & 3 PET bottle lines located at Coca Cola B

Write a description for your map.

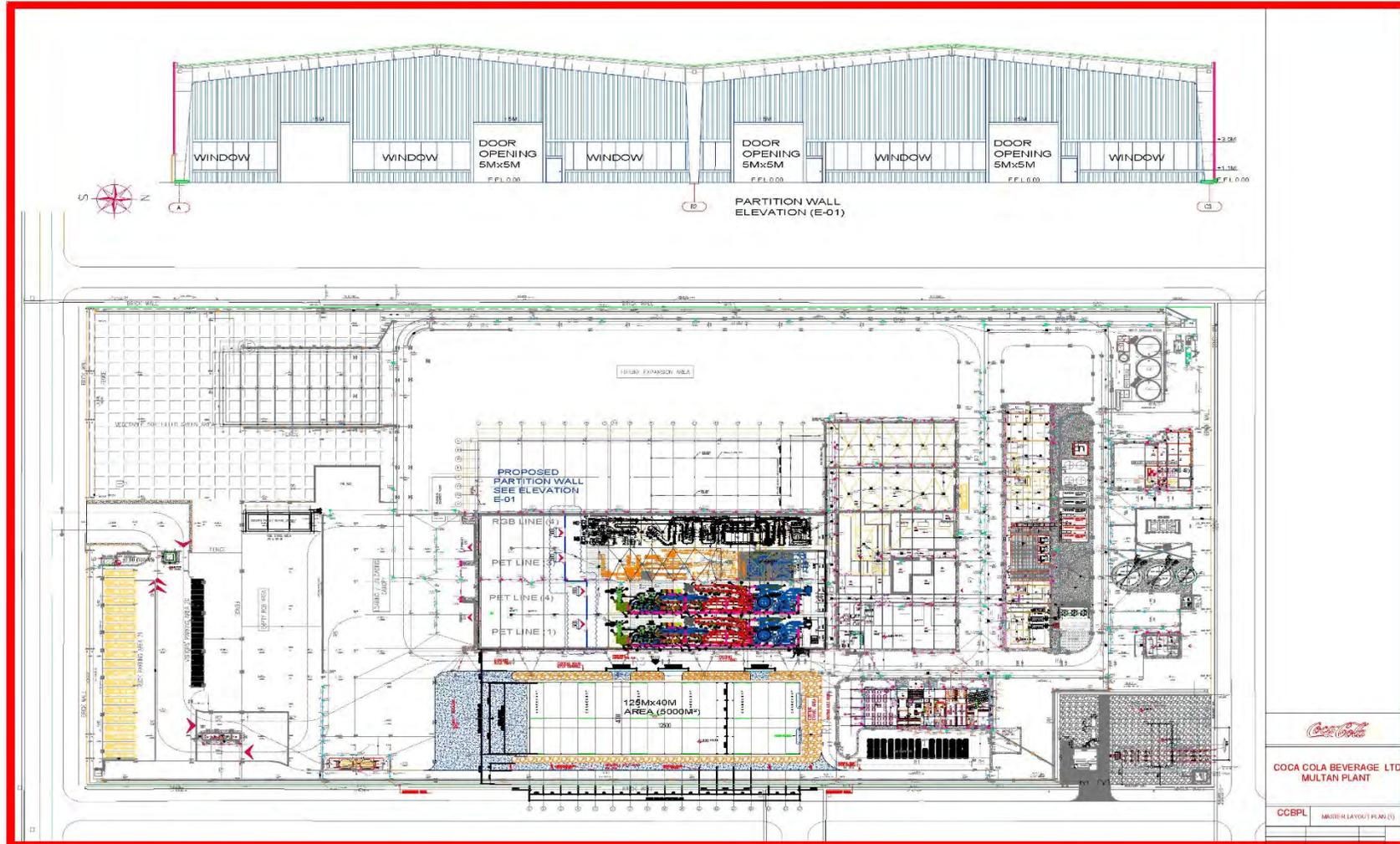
Legend

-  30° 7' 8.16" N, 71° 22' 25.14" E
-  Coca Cola Multan Green Field Plant
-  Feature 1
-  Untitled Polygon

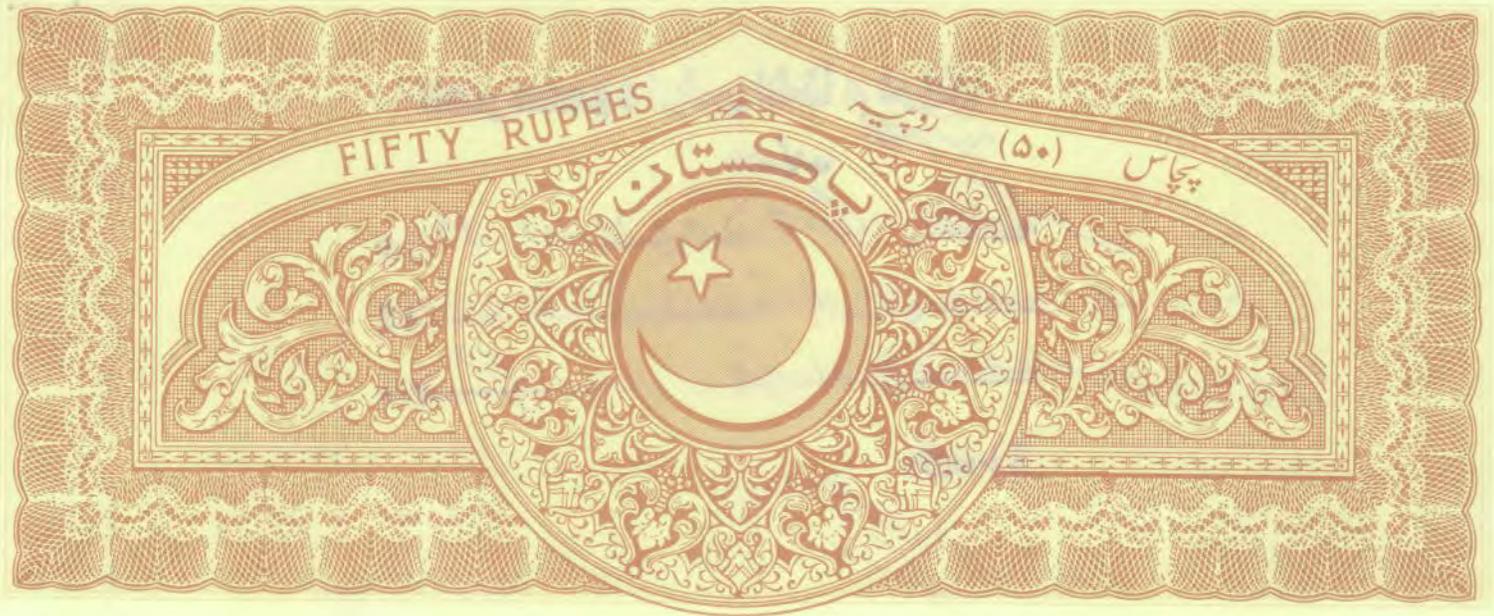


ANNEXURE-G

LAYOUT PLAN



ANNEXURE-H
LAND DOCUMENTS



AGREEMENT TO SELL

This Agreement to Sell (the "Agreement") is made at Lahore on this 27 day of Jan 2013.

BETWEEN

PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY (PIE) through Company Secretary, hereinafter referred to as the **VENDOR** (which expression shall unless excluded by or repugnant to the context be deemed to include its successors, executors, administrators, representatives and assignees) of the one part;

AND

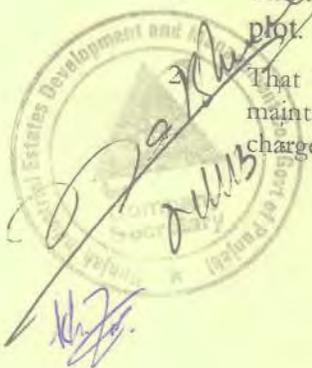
M/s. Coca Cola Beverages Pakistan Ltd. through its authorized director **Mr. Usman Zafar Butt S/O Mr. Zafar Iqbal Butt** NIC number 35202-2841708-7 hereinafter referred to as the **VENDEE** (which expression shall unless excluded or repugnant to the context be deemed to include his/her/its/their heirs, successors, executors, administrators, representatives and assignees) of the other part.

WHEREAS the Vendor represents that it is the lawful owner in possession of and agrees to sell and the Vendee agrees to buy **Plot No. 141 to 148 & 163 to 170 measuring 34.16 Acres** situated at Multan Industrial Estate Phase-II, more particularly described in the Schedule annexed herewith (hereinafter referred to as the PLOT) free from all encumbrances, attachments, charges and other claims subject to the terms and conditions hereunder contained. AND WHEREAS the Vendee has already paid to the Vendor along with the Application Form dated **19th September, 2012** sum of **Rs. 79,164,000/- (Rupees Seventy Nine Million One Hundred and Sixty Four Thousand Only)** as and by way of earnest money and the balance due amount of the purchase money amounting to **Rs. 184,656,100/- (Rupees One Hundred Eighty Four Million Six Hundred and Fifty Six Thousand Only)** has been paid.

NOW THEREFORE, IT IS HEREBY agreed by and between the Parties as follows:

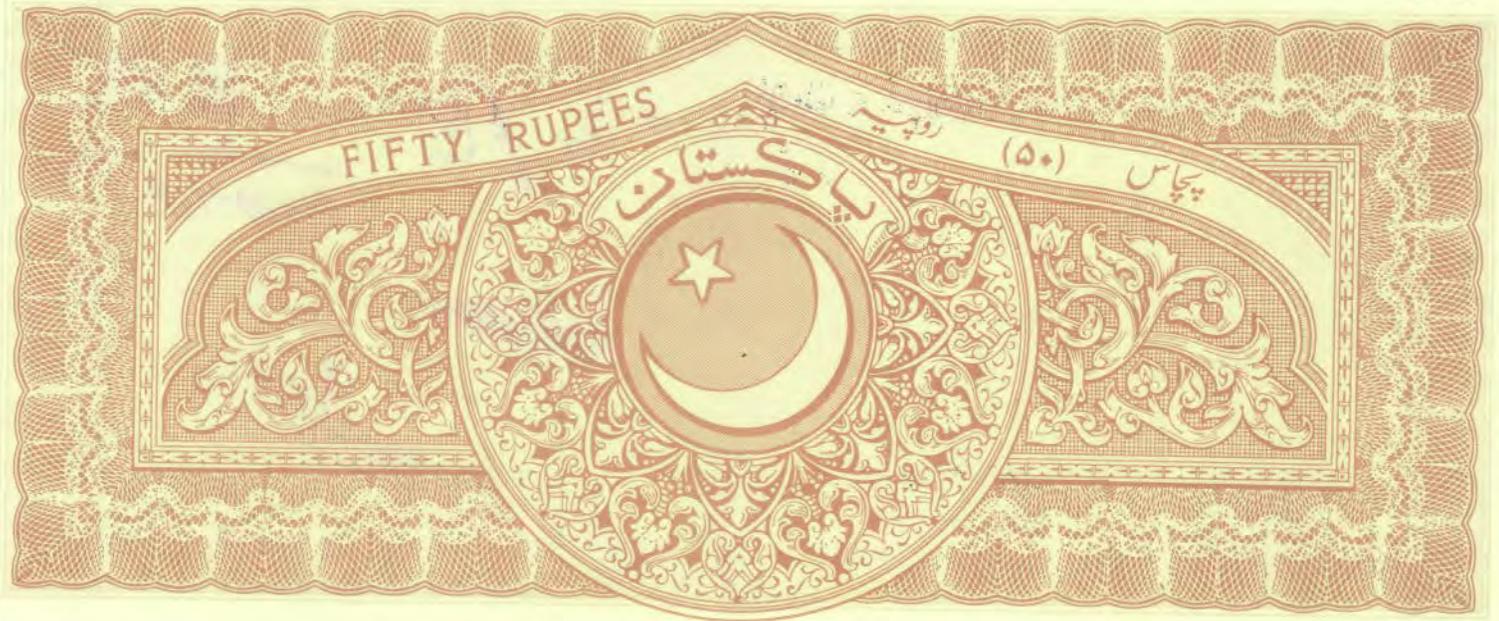
CONDITIONS OF THE VENDOR:

- I. The Vendor hereby undertakes that:
 1. The time schedule for the Vendee shall start from the date of taking Physical Possession of the plot.
 - That Vendor shall maintain the Multan Industrial Estate Phase-II in the best possible way for maintaining roads, sewerage, construction plan etc for which the Vendor may impose and/or collect charges/duties on annual/biannual/monthly basis on the Vendee pursuant to clause II(6).



Usman





3. That the Vendor shall have right subject to Seven (07) days prior notice, to pull down/demolish or seal the building during and/or after completion of construction, if the same is not in accordance with the building plan or bear any other illegality (ties).
4. Upon full payment of the amount noted above, and completion of the project in accordance with the terms herein stated and after the Vendee obtains Certificate of Completion from the Vendor, the Vendor shall enter into a Sale/Transfer Deed with respect to the sale/transfer of the Plot in favor of the Vendee.

OBLIGATIONS OF THE VENDEE:

II. The Vendee hereby undertakes that:

1. The construction on the Plot shall commence within 3 months of taking Physical Possession of the plot and the project shall be completed within the next 18 months. This Agreement to Sell is valid only for the said period of 21 months from the date of its execution. Failure to commence construction or completion of the project within above said time lines shall result in, in addition to any other penalty for which the Vendee may be liable, the cancellation of the Plot(s) against a cancellation charge of 5 % of the amount paid by the Vendee.
2. The construction of the building shall be strictly in accordance with the following specifications -
 - a) PIEDMC's Building Regulations.
 - b) Pakistan Building Code
 - c) Pakistan Standards Institute's specifications
 - d) Punjab Provincial Building Specifications
3. The Vendee shall strictly abide by the Building Bye-Laws, and those enacted by the Vendor from time to time. In case of violation of Building Bye-Laws contained herein, the Vendor shall have right to impose penalty/charge keeping in view, the nature of violation. The Vendor shall also have a right to direct Vendee to rectify any such violation within a specified time period.
4. The Vendee shall follow Pakistan Environmental Protection Act 1997/National Environment Quality Standards for preservation and conservation of environment in the Industrial Estate and disposal of waste/effluents. If the Vendee is found, violating the said laws during or after construction of building, the Vendor shall have right to impose fine/penalty as applicable and direct the Vendee to rectify such violation within a specified period. In case Vendee fails to rectify the violation, the Vendor may order any appropriate measure including but not limited to sealing of premises to stop any such violation.
5. The Vendee shall use the Plot solely for the purpose(s) specified in the Application Form. In order to change nature of business, the Vendee shall obtain prior "No Objection Certificate" (NOC) from the Vendor, which would solely be in the discretion of the Vendor.
6. The Vendee shall pay Annual Recurring Expenses (ARE)/Monthly Recurring Expenses (MRE) to the Vendor for which the Vendor shall issue receipt to the Vendee. The AREs/MREs shall be paid by the Vendee at the rates and in the mode and manner as may be stipulated by the Vendor from time to time for maintenance of Industrial Estate.
7. The Vendee shall have right to install sign board measuring 4 fts 18 fts (in height and width) as approved by the Vendor. In case, the Vendee intends to install sign board of different measurements/dimensions, prior permission of Vendee shall be obtained in writing and Vendor may impose charges for any such sign board(s).

Handwritten signature and date: 21-01-13

Handwritten signature: Usman

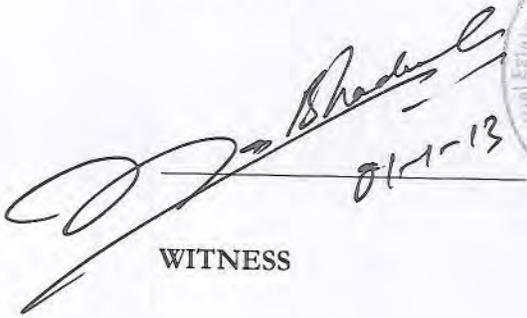


8. The Vendee shall regularly and promptly pay all utility bills, Government charges, cess, Federal and/or Provincial taxes or any other tax(s) imposed by the Government from time to time.
 9. The Vendee shall not change its management/ownership structure or otherwise transfer its management/ownership to any other party without prior written permission of the Vendor failing which the Plot(s) shall be liable for cancellation against a cancellation charge of 5 % of the amount paid by the Vendee.
- III. All clauses contained herein shall be applicable *ipso facto* to any other person(s) acting under the Vendee.
- IV. In the event of dispute, difference or contentions regarding meaning or interpretation of any clause/expression contained herein, the matter shall be referred to Arbitrators, one appointed by each party who shall decide matter in accordance with provisions of the Arbitration Act, 1940 (Act X of 1940). In case of difference of opinion on the Award between the Arbitrators, reference shall be made to Sole Umpire. The Arbitrators and Umpire referred to under this clause shall be Advocate(s) Supreme Court or retired Judges of the High Court and Supreme Court. The Award given by the Arbitrators or Umpire shall be final and binding upon the Parties and persons acting under them.
- V. The Parties hereby agree that any notice or communication shall be in writing and deemed to be delivered if given by hand or sent by recorded delivery or by registered post or facsimile transmission on the address(es) mentioned in the recitals or to such address(es) as any party may notify to the other in writing.
- VI. In case of any dispute between parties due to which resort to the Court of Law becomes inevitable, the Courts at Lahore shall have exclusive jurisdiction to adjudicate upon.

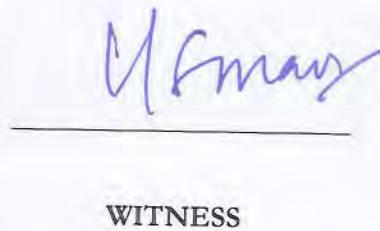
IN WITNESS WHEREOF, the Parties have set and subscribed their respective hands on this 21 day of Jan in the year 2013 at Lahore in presence of witnesses.

VENDOR

VENDEE

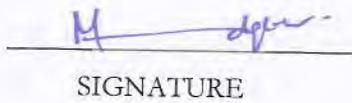

 21-1-13
 WITNESS




 WITNESS




 SIGNATURE


 SIGNATURE

NAME Hawaja Muhammad Zaman
 NIC# 3521-2625109-7

NAME MUHAMMAD JAVED I. BURAZMI
 NIC# 37405-4816727-7

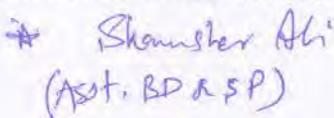
Note:-

This Agreement to Sell is executed in presence of the undersigned.

Signature

OR

The undersigned verified the execution of this Agreement to Sell.


 (Asst. B.D. & S.P.)


 21-1-13




 21-1-13



PUNJAB INDUSTRIAL ESTATES
DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/141
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 141** measuring **2.54 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 14,668,500/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

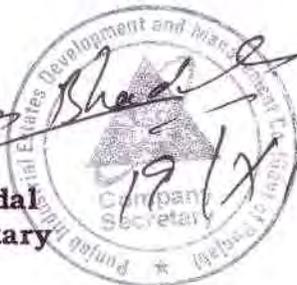
Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES
DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/142
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 142** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES
DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/143
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 143** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES
DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/144
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 144** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207

Website: www.pie.com.pk
An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/145
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 145** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES
DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/146
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 146** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.

Folio
Nasir Qadir Bhadal
Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207

Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/147
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 147** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

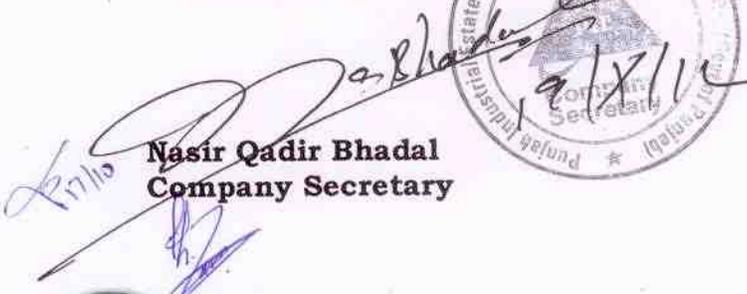
All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.

Tel: 042-35297203-6, Fax: 042-35297207

Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/148
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 148** measuring **2.54 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 14,668,500/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.

Tel: 042-35297203-6, Fax: 042-35297207

Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/163
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 163** measuring **2.54 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 14,668,500/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES
DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/164
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 164** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.

Nasir Qadir Bhadal
Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/165
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 165** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

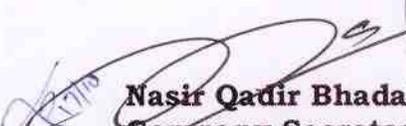
All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

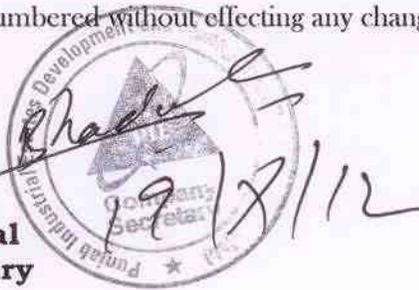
Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/166
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 166** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/167
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 167** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

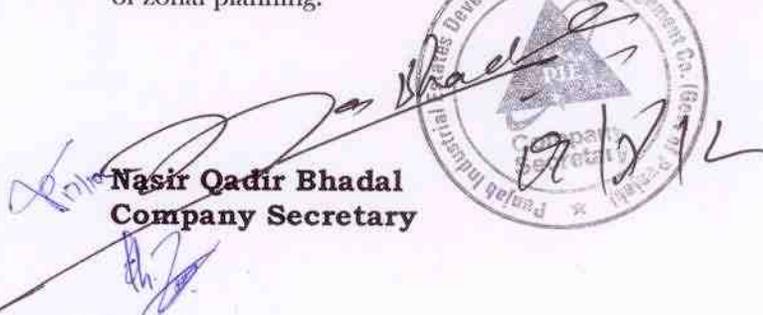
All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/168
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 168** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

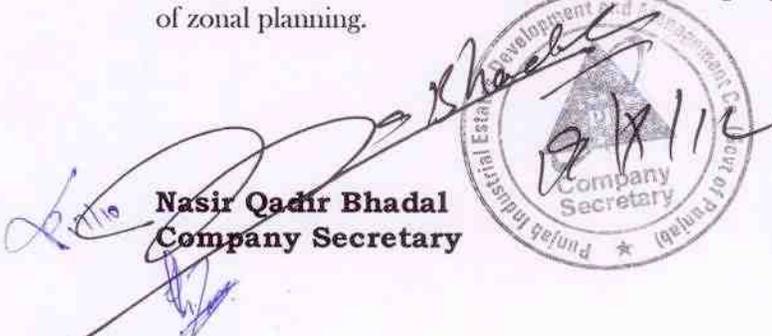
All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207

Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/169
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 169** measuring **2.0 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 10,500,000/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.

Info
Nasir Qadir Bhadal
Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

PIE/MIE/Almt/170
October 19, 2012

M/s. Coca Cola Beverages Pakistan Ltd.
5-E-II, Gulberg III,
Lahore.

Ph: 042-35756846-9

Subject: Provisional Allotment Letter

Dear Sir,

In pursuance of your application dated September 19, 2012 it is notified that **Plot No. 170** measuring **2.54 Acre** situated in Multan Industrial Estate Multan, Phase-II has been provisionally allotted to you.

You are required to fulfill the following conditions:-

1. Payment of remaining balance amount of **Rs. 14,668,500/-** within one year of receipt of this letter by Payment Order / Demand Draft in the name of Punjab Industrial Estates Development and Management Company. Any Collection charges charged by bank and exchange gain / loss, in case of foreign exchange payments, will be borne by the Allottee.

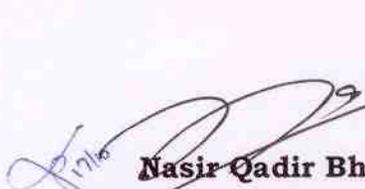
All conditions stated in the Application Form and Multan Industrial Estate Bye Laws remain binding.

Kindly note that all duties / charges etc. imposed by the Federal / Provisional / City Government(s) shall be borne by the allottee.

Following additional documents may be collected from Secretary BOM-MIE.

- a. Master Layout
- b. Location Plan

The plots may be re-numbered without effecting any change in location, after completion of zonal planning.


Nasir Qadir Bhadal
Company Secretary



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207
Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001

ANNEXURE-I

RELEVANT APPROVALS



PUNJAB INDUSTRIAL ESTATES
DEVELOPMENT AND MANAGEMENT COMPANY

PIE/ENV/MIE/3561

18th October, 2017

To

Syed Owais Magrabi,
Operation Manager,
Coca Cola International,
Plot# 141-148 to 163-170
Multan Industrial Estate, Phase II,
Multan,

Subject: Discharge of Waste Water into MIE drainage System

Sir,

Reference to letter PIE/MIE/coke/001 dated 11th July, 2012 and your response dated June 15, 2017 on the above-mentioned subject. The following documents referring to letter PIE/ENV/MIE/3560, dated 4th July, 2017 have been reviewed:

- A) Environment Monitoring Results of domestic and Process Water found as per the guidelines of EPA. Refer to Analysis Report 30th Jan 2017
- B) Effluent Flow Measurement Report not exceeding the permissible limit.

We are pleased to inform you that the PIEDMC Management has gone through your requests and has concluded the following:

PIEDMC approves discharge facility of waste water to receive 2400m³/day of treated effluent.

Regards,

Ijaz Azeem
Manager Business Development & Special Projects



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.
Tel: 042-35297203-6, Fax: 042-35297207

Website: www.pie.com.pk

An Approved Non Profit Organisation U/S 2(36) of Income Tax Ordinance 2001



**OFFICE OF THE
CIVIL DEFENCE OFFICER
MULTAN**

No: CDM/25/ 391
Dated: 11-02 -2025

To,

**Mr. Aneel Ahmad,
Health & Safety Engineer
Coca-Cola Beverages, Pakistan, Ltd.**

Subject: -

CERTIFICATE

It is to certify that the site of **Coca Cola Beverages, Pakistan, Plot # 141-148 to 163-170 Industrial Estate Phase II, Multan**, has been visited and at the time of visit the available Fire & Safety arrangements were found in satisfactory and working condition according to the Civil Defence Schedule.

This Certificate / NOC is valid till 31-12-2025.

**CIVIL DEFENCE OFFICER
MULTAN**



GOVERNMENT OF THE PUNJAB



GOVERNMENT OF THE PUNJAB
DIRECTORATE GENERAL, INDUSTRIES, PRICES,
WEIGHTS & MEASURES, PUNJAB, LAHORE.
(BOILER INSPECTION WING)



Certificate authorizing the use of a Registered Boiler under section 8(4) of the Br & P.V Ordinance 2002.

Telephone 0300-7181787

Dated 28.12.2024

No. Addl.CIB Pb/Jan/2025

Camp/Station Lahore

The Teroiatary Operation Manger,

Coca Cola Beverage Pakistam

Plot # 143-148,I.E Multan

Please refer to my visit of Today to Inspect /Hyd/Steam test of
Your Boiler No PB-7469 Heating Surface 170 M² Sq. Ft.
Inspection fee Rs 6,000/- Paid on 14.10.2024

You are hereby permitted to use the boiler at a maximum working
pressure of 10 - Bar PSI under the Charges of Boiler Engineers

Mr. Tabish Raza

CC.NO 1906 / 2019 1st - Class

Mr. Muhammad Arshad

2226/ 2019 1st - Class

Mr. Ghulam Mustafa

1966/ 20191 1st - Class

Remarks

I-To Physically Calibrate All Instrumentation and Safety Controls.

II- To tune the burner of Boiler ,adujst Flame Length and submit emission report.

Certificate

19.11.2025

Valid up to

Received by

(Rana Muhammad Saleem)
Addl. Chief Inspector of
Boilers,Punjab

TAXPAYER REGISTRATION CERTIFICATE

(Under Section 181C of the Income Tax Ordinance 2001)

Registration No. 0709120



0709120

Date of Registration 13-Jul-1996

Type of Person Company

Inc. No. 0036467

Inc. Date 18-Apr-1996

Name COCA COLA BEVERAGES PAKISTAN LIMITED

Address 26, FCC, Syed Maratib Ali Road, Gulberg IV, Lahore Gulberg Town

Tax Office LTO LAHORE

Activity Type Business

Inland Revenue Service

**This is a computer generated certificate and,
hence, no signatures are required.**

Displaying of Taxpayer Registration Certificate is mandatory as provided under section 181C of Income Tax Ordinance 2001.

This is not a valid evidence of being a "filer" for the purposes of clauses (23A) and (35C) of sections 2 and 181A of the Income Tax Ordinance 2001.



Date of Print 29-Mar-2022

GOVERNMENT OF PAKISTAN



CERTIFICATE OF INCORPORATION

(Under section 32 of the Companies Ordinance, 1984 (XLVII of 1984))

Company Registration No. K-06437 of 19 95-96

I hereby certify that "COCA-COLA BEVERAGES PAKISTAN
(PRIVATE) LIMITED"

is this day incorporated under the Companies Ordinance, 1984
(XLVII of 1984) and that the company is limited by SHARES
AS A PRIVATE COMPANY

Given under my hand at KARACHI

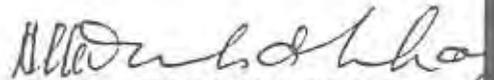
this 18TH day of APRIL

one thousand nine hundred and NINETY-SIX

Fee Rs. 15,04,000/-

CRO-1.




(ATTA MUHAMMAD KHAN)

Joint Registrar
of Companies
SINDH

ANNEXURE-J

SOLID WASTE AGREEMENT



E-STAMP

0320-31639191

PB-LHR-CB475A55805707FA



Non-Judicial

Rs 1,200/-

Description	: AGREEMENT OR MEMORANDUM OF AN AGREEMENT - 5(ccc)
First Party	: Total Waste Management Smc Pvt Ltd [10000000000000]
Second Party	: Coca cola Beverages Pakistan Limited [10000000000000]
Agent	: Gulfam [10000-0000000-0]
Stamp Duty Paid by	: Coca cola Beverages Pakistan Limited [10000000000000]
Issue Date	: 13-Aug-2025, 11:31:43 AM
Paid Through Challan	: 2025AF46083E1FCB
Amount in Words	: One Thousand Two Hundred Rupees Only

Please Write Below This Line

AGREEMENT FOR LIFTING AND MANAGEMENT OF NON-HAZARDOUS SCRAP ITEMS

THIS AGREEMENT FOR LIFTING AND INCENERATION OF SCRAP ITEMS (NON HARAZDOUS) (the "Agreement") is made at LAHORE on this August of 2025,

BETWEEN

Coca-Cola Beverages Pakistan Limited, a company incorporated and existing in Pakistan and having its registered Head Office at 26 FCC, Syed Maratab Ali Road, Gulberg IV, Lahore, Pakistan acting through its authorized representative **Mr. Sunay Sanli** holding Passport No. S25355576 and **Serkan Selcuk** having Passport No. U20563985 (hereinafter referred to as "CCBPL" which expression shall, where the context so permits, shall be deemed to include its successor-in-interest and permitted assigns

AND

Muhammad Tariq, holder of CNIC No. 35202-9814313-5, owner of a proprietary concern operating under the trading style "**TOTAL WASTE Management (SMC Private) Limited**" Plot No. 10 liberty Town 12.5 KM Sheikhpura Road District Sheikhpura. (hereinafter referred to as "Contractor" which expression, where the context permits, shall be deemed to include its successors-in-interest and permitted assigns and all persons claiming title through or under or in trust for it).

(Hereinafter the expressions "CCBPL" and "Contractor" shall be, wherever the context permits or requires, individually referred to as "**Party**" and collectively as the "**Parties**").

WHEREAS

- a) CCBPL is desirous to initiate collection of Non-hazardous scrap items (the "Items") from CCBPL's premises Plant/ Plot 141-148 & 163-170, Industrial Estate Phase 2, **Multan**, (the "Site(s)") as per the guidelines of the Environmental Protection Agency (the "Agency"). The Items and services required are more particularly defined and described in **Schedule I** hereto.
- b) The Contractor has qualified and is duly licensed by the Agency to render non-hazardous scrap waste management and disposal services as required under applicable laws on the terms and conditions hereinafter appearing. A copy of license issued by the Agency is attached hereto as **Schedule II**.



- c) The Contractor is desirous to provide CCBPL incineration services for the Items as per the prices mentioned herein.

NOW, THEREFORE, it is agreed as follows:

1. **Term**

This Agreement shall be effective for a period of one year from 1st JUNE 2025 till 31st MAY 2026, and further extendable for another one (01) year term upon CCBPL's sole discretion.

The Contractor shall provide the Services from the effective dates set forth below for each respective Site

Site	Effective Date for initiation of Services
MGF Plant	1 st JUNE 2025

2. **Price, Security and Payment Mechanism:**

- 2.1 The Contractor shall provide the Services at such rates as listed in the relevant column of Schedule I hereto, during the term of this Agreement. The Contractor shall be responsible to ensure disposal of the waste as per relevant laws, rules, and regulations. The Contractor shall also ensure that it has the capacity to dispose the waste and there is no violation of any law, this Agreement, policies, and guidelines of CCBPL.
- 2.2 The items shall be sold to the Contractor at the prices mentioned in Schedule I Part-B upon receipt of full advance payment by CCBPL.
- 2.3 The Contractor shall deposit with CCBPL a sum of Rs. 1,000,000 (Rupees ONE Million only) (the "Security") as security on account of performance, due discharge of obligations, instructions issued from time to time and or any adjustment/ deduction thereof. The same shall be returned to the Contractor upon expiry of this agreement, subject to deductions made under this agreement by CCBPL.
- 2.4 All invoices from the Contractor shall be in the prescribed format of CCBPL as appended in Schedule III. All invoices shall be pursuant to a Purchase Order ("PO").
- 2.5 All payments to the Contractor shall be inclusive of all taxes.

3. **Services:**

- 3.1 The Contractor shall be responsible to collect, identify, package, label, load, lift, transport the Items from the Sites and dispose of the Items as per Agency's and CCBPL's guidelines.
- 3.2 The Contractor shall solely be responsible for transportation from the Sites including all related handling, unloading of the Items, and all associated costs and any expenses of whatsoever nature.
- 3.3 Scrap loading will be done only at daytime, under the supervision of CCBPL's Warehouse representative and presence of CCBPL's security guard.
- 3.4 A non-returnable gate pass will be prepared by CCBPL's warehouse supervisor, approved by CCBPL's authorized representatives, and handed over to the Contractor upon exit from CCBPL's premises. The Contractor shall hand over the gate pass to CCBPL's security staff present at the gate of the Site, and only upon physical verification of the Items will the vehicle be allowed to exit.
- 3.5 The Contractor shall ensure that all required equipment necessary for the Services e.g., crusher/incinerator are available, according to Agency and CCBPL's

requirements for proper performance of the Agreement by the Contractor. Details of the required equipment are provided in **Schedule I, Part A**. Any failure on the part of the Contractor to ensure proper incineration/disposal shall be at the sole cost and liability of the Contractor.

- 3.6 The Contractor shall be responsible to ensure disposal of the waste as per relevant laws, rules, and regulations.
- 3.7 The Contractor shall also ensure that it has the capacity to dispose the waste and there is no violation of any law, this Agreement, policies, and guidelines of CCBPL.

4 Contractor's Responsibilities and Representations:

- 4.1 In case of any loss caused to CCBPL by the Contractor or its/his employee(s) or damage to any person or property of CCBPL or any third-party during lifting, the same shall be payable by the Contractor to CCBPL within thirty (30) days. The cost of damage shall be ascertained at the sole discretion of CCBPL but will in all cases be an assessment based on actual damage suffered. Failure to make payment against losses shall entitle CCBPL to reimburse the cost of said damages through deductions from any amounts outstanding to the Contractor.
- 4.2 Contractor acknowledges and accepts that if any property owned by CCBPL other than the Items defined herein, including any asset, wooden pallet, plastic scrap, trash, mixed scrap etc., is lifted due to any reason, including due to the negligence of either the Contractor and CCBPL, the Contractor shall be liable to make good the damages and losses suffered by CCBPL arising out of the same. The liability in relation to this clause shall be ascertained solely by CCBPL and any decision taken by CCBPL in this regard shall be final. The cost of damages arising hereunder may be deducted from any amounts owing from CCBPL to the Contractor or by means of any other remedy as per CCBPL's discretion.
- 4.3 The Contractor shall comply with all the formalities and requirements of CCBPL or the Agency or other relevant authority while lifting/transportation of Items. Any delay of any obligation(s) or non-compliance by the Contractor shall entitle CCBPL to charge liquidated damages at the rate of 1% per day of the expected invoice for a month, up to such time till the obligation is fully met or non-compliance is fully remedied by the Contractor, however, in case such liquidated damages exceed 20 % of the expected value of the invoice of that month CCBPL shall be entitled to terminate this Agreement, in addition to any other remedies it might have under this Agreement. CCBPL shall be entitled to deduct liquidated damages under this clause from the amounts owed to the Contractor or by means of any other remedy as per CCBPL's discretion.
- 4.4 The Contractor represents that it possesses sufficient capacity to handle hazardous scrap as per CCBPL's requirements as communicated to the Contractor from time to time. The Contractor shall indemnify CCBPL in case it is performing the services contemplated herein Clause 3 without having sufficient capacity and capability to undertake the same and/or is performing any contravening actions which give rise to any claims against CCBPL from any third party.
- 4.5 Contractor warrants that it will comply with all laws, rules, regulations enacted by the federal, provincial, or local authorities in relation to the Items.
- 4.6 The Contractor shall be bound to comply with and adhere to all security and disciplinary rules and regulations enforced by CCBPL or the Agency or any other relevant authority from time to time. The Contractor shall also comply with Health, Safety and Environmental Standards of CCBPL, as set out in Schedule IV.
- 4.7 The Contractor shall comply with the requirements of the Supplier Guiding Principles set out in Schedule V attached hereto at the request of and to the satisfaction of CCBPL.
- 4.8 The Contractor hereby agrees to provide a renewed license as soon as the License appended hereto at **Schedule II** expires. In the event that, the Contractor does not provide a valid License CCBPL shall have the right to immediately terminate this Agreement.
- 4.9 The Contractor warrants that he shall employ no personnel from the outgoing vendor which has worked with CCBPL previously in a similar capacity.

- 4.10 The Contractor shall not hire any employees with any reference to CCBPL, or upon any suggestion, bribe, coercion, or influence of CCBPL or any of its employees, which includes former CCBPL employees or the first-degree relatives of former CCBPL employees. In the event that the Contractor is approached by anyone in connection to the same, the Contractor shall immediately inform CCBPL. In the event that the Contractor hires any employee with reference to CCBPL as stated above, and does not disclose the same, CCBPL shall be entitled to terminate the Agreement, and claim damages as determined at its own discretion

5. Termination and non-exclusivity

- 5.1 This Agreement can be terminated forthwith by CCBPL in its absolute discretion without assigning any reason by serving five (05) days written notice to the Contractor.
- 5.2 CCBPL shall be entitled to terminate this Agreement forthwith if the Contractor fails to maintain appropriate licenses/authorizations, certifications required to provide Services under this Agreement. Furthermore, any verdict passed by any judicial or quasi-judicial forum which incapacitates the Contractor from performing its part of this Agreement shall also entitle CCBPL to terminate this Agreement immediately.
- 5.3 CCBPL may terminate this Agreement forthwith and without liability to the Contractor in case the liquidated damages as mentioned herein exceeds 20 percent of that month's expected invoice value.
- 5.4 CCBPL may terminate this Agreement forthwith and without liability to the Contractor if any legal proceedings are brought against the Contractor, including bankruptcy or insolvency proceedings or if at any point during this Agreement CCBPL's business operations are interrupted due to any investigations, inquiries or proceedings instituted against the Contractor by any authority or court of law.
- 5.5 CCBPL may terminate this Agreement forthwith and without liability to the Contractor if any administrative proceeding, investigation, action, arbitration, claim or litigation before any agency or in any forum is decided against the Contractor.
- 5.6 CCBPL may terminate this Agreement forthwith and without liability to the Contractor if the disposal, incineration certificates submitted by the Contractor are found to be fake at any point in time.
- 5.7 CCBPL also reserves the absolute right to conduct inspections and audits of the Contractor's facilities from time to time and terminate the Agreement forthwith in case it is determined by CCBPL that the Contractor is in non-compliance of this Agreement, applicable laws, CCBPL policies and guidelines, including non-compliance of Schedules IV and V.
- 5.8 Notwithstanding the above, either Party may terminate this Agreement upon the occurrence of a breach of any term or condition of this Agreement by either Party which breach is not rectified within ten (10) days of being notified of such breach.
- 5.9 The Contractor acknowledges that CCBPL has the right, at any time and from time to time during the term of this Agreement, to carry on the delivering and transporting of the Items itself or through any other Party in the specified area from time to time.

6. Indemnity

- 6.1 The Contractor will be solely responsible and liable for death and any accidental or bodily injury sustained by the Contractor himself or any of its/his employees and for the payment of any compensation, statutory or otherwise. Contractor hereby undertakes to indemnify CCBPL and its employees against all claims, demand, and losses of whatsoever nature.
- 6.2 The Contractor agrees that it shall protect, defend, indemnify and hold harmless CCBPL and its employees, from and against all liabilities, losses, costs, damages, expenses, claims, attorneys' fees, and disbursements of any kind or of any nature whatsoever imposed upon CCBPL, whether incurred directly or indirectly by CCBPL, by virtue of, or in connection with, or arising out of:

- a) failure of the Contractor or any carrier to maintain appropriate licenses to carry out the purposes of this Agreement.
- b) failure, of the Contractor to abide by any laws, rules, regulations relating to the Items; his establishment; future use, sale of the Items (non-hazardous).
- c) claims made by any employees or agents of the Contractor or by any operations of the Contractor related to the Contractor's responsibilities to CCBPL under the terms of this Agreement, including any claim by the Contractor personnel that they are CCBPL employees for any purpose.
- d) claims arising from the negligence of the Contractor in performing its responsibilities pursuant to the terms of this Agreement; or
- e) other claims arising directly or indirectly out of the transportation of Items on behalf of CCBPL by carriers selected by the Contractor, including but not limited to claims arising from accidents involving equipment used to transport such Items.

7. Confidentiality

- 7.1 For the purpose of this Agreement, CCBPL may disclose or otherwise provide to the Contractor, such information as may be of a confidential nature, i.e., information that is not presently in the public domain. The Contractor undertakes that the Contractor and his/ its Personnel shall not disclose such information and shall keep such information strictly confidential at all times during the validity of this Agreement as well as subsequent to expiration of this Agreement.

8. Dispute Resolution

- 8.1 In case of any dispute, CCBPL through the relevant department shall investigate the matter and report of any such investigation shall be acceptable to the Contractor.
- 8.2 If the Contractor does not accept the investigation report, then either Party may refer such dispute to arbitration under the Arbitration Act 1940 ("Act") and the rules ("Rules") made there under. The arbitration shall be undertaken by one (01) arbitrator appointed in compliance with the Act and the Rules. The arbitration shall take place at Lahore and the language for the arbitration shall be English.
- 8.3 The award made by the arbitration process shall be final and binding on the Parties and may be enforced in any court of competent jurisdiction. Notwithstanding any provision to the contrary in this Contract, this clause shall survive any expiration or termination of this Contract or any other provision hereof, and upon such event shall take effect as an independent arbitration agreement.

9. FORCE MAJEURE

Except with respect to due payment obligations under this Agreement, no party shall be liable for, nor shall such party be considered in breach of this Agreement due to, any failure to perform its obligations under this Agreement as a result of a cause beyond its control, including any act of God or a public enemy or terrorist, act of any military, civil or regulatory authority, change in any law or regulation, civil disturbance, explosions, war, insurrections, epidemic, pandemic, fire, flood, washouts, earthquake, storm, lightning or other like event, disruption or outage of communications, power or other utility, labour problem, unavailability of supplies, or any other cause, whether similar or dissimilar to any of the foregoing, which could not have been prevented by such party with reasonable care (each, a "Force Majeure Event"). Within 72 hours of the occurrence of a Force Majeure Event, the affected party shall notify the other party of the occurrence with reason by sending either (i) an e-mail message, or (ii) a fax message, or (iii) a written notice to the other party. The time for performance required of the affected party shall be extended by the period of such delay provided the party is exercising diligent efforts to overcome the cause of such delay. All dates of performance or delivery under this Agreement that have been affected by Force Majeure shall be extended for the duration of such Force Majeure. Notwithstanding the above, in the event that such Force Majeure Event extends for or is foreseen to extend for more than 30 (thirty) days CCBPL shall be entitled and authorised to unilaterally terminate this Agreement, subject to the provisions of this Agreement. In such eventuality, the Agreement shall be construed to have expired (and not terminated), and the Service Provider/Supplier/Contractor shall not be entitled to claim

any rights, receivables, compensation or damages for the remaining Term or expected Work/Order of the Agreement.

10. NOTICES

- 10.1 A notice, approval, consent or other communication in connection with this Agreement:
- (a) shall be in writing in the English language; and
 - (b) shall be left at the address of the addressee, or sent by registered air mail post/courier (airmail if posted to or from a place outside Pakistan) to the address of the addressee or sent by facsimile to the facsimile number of the addressee which is specified in this clause or if the addressee notifies another address or facsimile number then to that address or facsimile number. The address and facsimile number of each Party is:

Coca-cola Beverages Pakistan Limited

Address: 26 FCC, Syed Maratab Ali Road, Gulberg IV, Lahore

Attn: _____

The Service Provider

Address: TOTAL WASTE Management (SMC Private) Limited, Plot No. 10 liberty Town
12.5 KM Sheikhupura Road District Sheikhupura.

Attn: _____

Miscellaneous

- 1 This Agreement embodies the entire understanding of the Parties and there are no promises, terms, conditions, or obligations oral or written express or implied other than those contained herein.
- 2 This Agreement supersedes and cancels all prior agreements, understandings and undertakings relating to the subject matter hereof. No variation, revision, modification, alteration, or amendment to this Agreement shall be valid unless in writing duly executed by the parties.
- 3 The Contractor shall not assign this Agreement. The Contractor may not license, charge, or otherwise purport to grant rights over or transfer the benefits of or sub-contract any of its rights or obligations under this Agreement.
- 4 The Contractor shall comply with any and all applicable laws governing corrupt practices, at all times. The Contractor shall also comply with any anti-terrorism laws applicable to them.
- 5 Each Party must take precautions to prevent its respective personnel, employees, subcontractors, or agents from making, receiving, providing, or offering any substantial gifts, extravagant entertainment, payments, loans, or other considerations to the employees of the other Party and/or their families and/or any third parties in connection with this Agreement.
- 6 Notification addresses of both parties are written in the recitals of this agreement. Parties have declared that all of the notifications to be sent by any of the Parties as per this Agreement have to be made in writing. In case one of the Parties fails to notify an address change in writing, the notifications made to these addresses shall be deemed as having been received by the concerned party at that address and they shall not have any objection rights in this regard.
- 7 Nothing in this Agreement shall constitute or be deemed to constitute a partnership between the parties hereto or constitute or be deemed to constitute the Contractor as an agent of CCBPL or its principals for any purpose whatever and the Contractor shall have no authority or power to bind CCBPL or its principals or to contract in the name of or create a liability against CCBPL or its principals in any way or for any purpose.
- 8 No waiver by CCBPL of default of the Contractor under this Agreement shall be construed as a continuing waiver thereof or as a future waiver of similar or identical default.

9 This Agreement shall be construed in accordance with the laws of Pakistan and the Courts at Lahore shall have exclusive jurisdiction.

IN WITNESS HEREOF the said parties have herein to set their hands the day and the year first above written.

For and on behalf of
Contractor

Name:
Muhammad Tariq
Designation:
CEO
Signature
M. Tariq



For and on behalf of
Coca-Cola Beverages Pakistan Limited

Name:
Sartan Selek
Designation:
HOF
Signature
Sartan Selek

Name:
Gulfam Abbas
Designation:
BDM
Signature
Gulfam

Name:
Sunay Sami
Designation:
GM
Signature
Sunay Sami

WITNESSES:

1. Muhammad Faisal
Name & CNIC No.:
Faisal

2. [Signature]
Name & CNIC No.:
35100-9136414-9

Schedule I

Detail of Items and Prices

Hazardous Price Offer to be <i>inclusive</i> of taxes			MGF Plant	GUJ Plant	RYK Plant	FSD Plant	LHR Plant
Sr#	Description	UOM	Total Waste				
1	Empty Plastic Drum (Dirty/ Used Oil)	Nos	20.00	11.00	20.00	20.00	11.00
2	Empty Iron Drum (Mobil / Oil)	Nos	15.00	12.00	15.00	15.00	12.00
3	Iron Drum with Waste/ Used Oil - 200 L approx.	Nos	35.00	9.00	35.00	35.00	9.00
4	Plastic Drum with Waste/ Used Oil - 200 L approx.	Nos	35.00	10.00	35.00	35.00	10.00
5	Used Battery-Small	Nos	26.50	25.00	26.50	26.50	25.00
6	Used Battery-Large	Nos	18.00	15.00	18.00	18.00	15.00
7	Used Printing Toners	Nos	3.00	3.00	3.00	3.00	3.00
8	Condenser A/C	Nos	3.00	3.00	3.00	3.00	3.00
9	Electronic Waste	Kgs	1.00	1.00	1.00	1.00	1.00
10	Grease Gun	Nos	3.00	3.00	3.00	3.00	3.00
11	Asbestos gas Kit	Nos	3.00	3.00	3.00	3.00	3.00
12	Empty Plastic Buckets/Drum(Paint, Mobil Oil)	Nos	3.00	3.00	3.00	3.00	3.00
13	Sludge	Kgs	1.00	1.00	1.00	1.00	1.00
14	First aid Waste	Kgs	1.00	1.00	1.00	1.00	1.00
15	Contaminated/ Used Cloth	Kgs	1.00	1.00	1.00	1.00	1.00
16	All kinds of Used Filters	Nos	1.00	1.00	1.00	1.00	1.00
17	All kinds of Expired / Obsolete Chemicals	Kgs	1.00	1.00	1.00	1.00	1.00
18	Empty Refrigeration Gas Cylinder	Nos	1.00	1.00	1.00	1.00	1.00
19	Faulty Compressor with Oil	Kgs	1.00	1.00	1.00	1.00	1.00
20	Drier filter	Kgs	1.00	1.00	1.00	1.00	1.00
21	FL Lamp/Tube Rod	Kgs	1.00	1.00	1.00	1.00	1.00
22	LED Tube Rod	Kgs	1.00	1.00	1.00	1.00	1.00
23	Ballast / Choke	Kgs	1.00	1.00	1.00	1.00	1.00
24	Capacitor	Kgs	1.00	1.00	1.00	1.00	1.00
25	Burnt Electric Waste	Kgs	1.00	1.00	1.00	1.00	1.00
26	Micro Biological Lab Waste	Kgs	1.00	1.00	1.00	1.00	1.00

Schedule II
EPA License



GOVERNMENT OF THE PUNJAB
ENVIRONMENTAL PROTECTION AGENCY
National Hockey Stadium, Gate No. 10
Ferozepur Road, Lahore



NO. AD(EIA)/EPA/F-89(EIA)/2023/ 158
Dated: 06 /02/2024

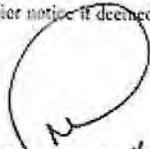
To
Muhammad Tariq,
Proponent,
M/s Total Waste Management,
R/o House No.3, Street No.65, Afghanali Street No.42,
Dil Muhammad Road, District Lahore

Subject: DECISION OF ENVIRONMENTAL APPROVAL FOR OPERATIONAL PHASE /
CONFIRMATION OF COMPLIANCE OF THE PROJECT "INCINERATOR BY
M/S TOTAL WASTE MANAGEMENT, OPPOSITE ANGRU FACTORY,
MURIDKEY SHEIKHUPURA ROAD, DISTRICT SHEIKHUPURA".

1. Description of Project: Operational Phase of Incinerator with the capacity of 1200-Kg/hr for the collection, transportation, storage handling disposal of industrial / hospital hazardous / non-hazardous waste and recycling / compost of non-hazardous material (paper plastic metal wood & food waste etc.
Total area of the project: 08-Kanals, 12 Marlas.
2. Location of Project: At Opposite Angru Factory, Muridke Sheikhpura Road, District Sheikhpura
3. EPA Punjab has reviewed the Compliance Status Report of conditions contained in Environmental Approval issued vide letter No. AD(EIA)/EPA/F-89(EIA)/2023/429 dated 08.08.2023 for construction phase of project. The Compliance Status Report received from the Deputy Director (Environment), Sheikhpura vide No. 34/DD/EPA/SKP dated 31.01.2024 indicates compliance of all conditions and contain positive recommendations. EPA Punjab has also considered other relevant record before taking decision regarding issuance of Approval for Operational Phase / "Confirmation of Compliance".
4. Environmental Protection Agency Punjab accords approval for Operational Phase / "Confirmation of Compliance" under Regulation 13 of Punjab.IEE and EIA Regulations, 2022 for the aforesaid project subject to following conditions:
 - i. The proponent shall ensure compliance of Punjab Environmental Quality Standards (PEQS) notified by Government for wastewater, gaseous emissions and other environmental parameters;
 - ii. Mitigation Measures suggested in IEE report and Environmental Management Plan (EMP) shall be strictly adhered to minimize any negative impacts on soil, ground water, air and biological resources of the project area. The proponent will depute staff to monitor compliance of EMP;
 - iii. Monitoring shall be carried out during the entire period of the project activities. Validated Monitoring Reports shall be submitted to EPA Field office and Director (ML&I) Lahore on quarterly basis;
 - iv. The proponent shall maintain the auditable record of measures taken for implementation of Environmental Management Plan and its periodical verification by EPA, Punjab; and

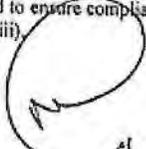
P.T.O

- v. The proponent shall comply with all the conditions contained in the Environmental Approval issued for construction phase and applicable to operational phase of the project.
- vi. The Proponent shall plant 1000 trees of 6-7 feet height annually of indigenous species in respective district. The Proponent shall also take measures for protection and upkeep of these trees and shall maintain their proper record for verification by EPA;
5. The Proponent shall be liable for correctness and validity of information supplied to this Department directly or through his / her Environmental Consultant.
6. EPA reserves the right to impose any other condition based on environmental monitoring.
7. Any change in the approved Project shall be communicated to EPA, Punjab and shall be initiated after obtaining the requisite approval.
8. This approval shall be treated as null and void if any or all of the conditions mentioned hereinbefore, is/are not complied with and in case on any interim injunction by any court of law against the project. This approval does not absolve the proponent of the duty to obtain any other approval or consent that may be required under any law in force.
9. This approval shall be valid for a period of three years from the date of issuance under Regulation 16 (2) of Punjab Review of IEE and EIA Regulations, 2022.
10. This approval stands revoked at anytime without any prior notice if deemed necessary in the better Public/ National interest.


ASSISTANT DIRECTOR (EIA)
for DIRECTOR GENERAL EPA

NO. & DATE EVEN.

1. A copy is forwarded to Deputy Director (Environment), Sheikhpura. He is requested to ensure compliance of the conditions mentioned in the Environmental Approval and maintain the file/record of correspondence with project proponent properly.
2. A copy is forwarded to Director (ML&I), Lahore. He is requested to ensure compliance with the conditions mentioned in Environmental Approval at (4) (i) and 4 (iii).
3. One window Cell, EPA HQs, Lahore.


ASSISTANT DIRECTOR (EIA)



No. AD(EIA)/EPA/F-89(EIA)/2023/1270
GOVERNMENT OF THE PUNJAB
ENVIRONMENTAL PROTECTION AGENCY
National Hockey Stadium, Ferozpur Road, Lahore.



Dated: 20/11/2025

REGISTERED MAIL

To

Mr. Muhammad Tariq,
(Proponent),
Total Waste Management (SMC-Private) Limited,
Plot No. 10, Liberty Town 12.5 KM Sheikhpura Road,
District Sheikhpura.

Subject: **REQUEST TO CHANGE COMPANY NAME FOR ACQUIRED NOCS OF PROJECT, 'ESTABLISHMENT OF INCINERATOR OPPOSITE ANGRO FACTORY, MURIDKEY SHEIKHUPURA ROAD, DISTRICT SHEIKHUPURA'**

Please refer to your application/request received to this office regarding the matter cited above.

2. In this regard, I am directed to state that all provided documents have been examined and new name of company as 'Total Waste Management (SMC-Private) Limited' has been noted down on record and future correspondence will be done on the new company name.


Assistant Director (EIA)

CC:

- Deputy Director(Environment), Sheikhpura for information please.
- One window cell, EPA, Lahore.

SCHEDULE III INVOICE FORMAT

CCBPL Invoice Format - Draft

A B C Corporation Ltd

Vendor Address & Contact Details

Vendor NTN/CNIC: 12345678-1
Vendor STRN: 98765409-2

Sales Tax Invoice

Customer Name: Coca-Cola Beverages Pakistan Limited
Delivery Address: _____
CCBPL Territory: Lahore
CCBPL NTN: 0709120-6
CCBPL STRN: 04-07-2202-058-91

Invoice No: 12215
Invoice Date: 10-Apr-15
PO No: 3000012345
DC Nos: 5678
5679

Leave this area blank
for barcode
(for CCBPL use only)

Vendor Code: 3001001234
GST Jurisdiction: Federal

S.no.	Item Code	Item Description	Quantity	Unit Price (PKR)	Value Exclusive of GST	GST Rate	GST Amount (PKR)	Further Tax @ - % (PKR)	Value Inclusive GST (PKR)
1		ABC Material	2	1,000,000	2,000,000	17%	340,000	57,800	2,397,800
2		XYZ Material	3	2,500,000	7,500,000	17%	1,275,000	216,750	8,991,750
3		MNO Material	7	400,000	2,800,000	17%	476,000	80,920	3,356,920
Total					12,300,000		2,091,000	355,470	14,746,470

Bank A/C No: _____

Net Amount 12,300,000.00
GST 2,091,000.00
Delivery Cost 150,000.00
GST on Delivery Cost @ 16% 24,000.00
Gross Amount (PKR) 14,920,470.00

Other Details:
----- (e.g.; Tax deduction or exemption information) -----

CONFIDENTIAL

SCHEDULE IV

General Service Contract Health, Safety and Environmental Requirements

TABLE OF CONTENTS

1. Purpose	2
2. Definitions	2
3. Requirements	2
3.1. Compliance with Legislation and COMPANY Site Rules	2
3.2. Prohibited Items	2
3.3. Smoking	3
3.4. Safety Equipment	3
3.5. Permit to Work (PTW)	3
3.6. Risk Assessment	3
3.7. Material Safety Data Sheets	3
3.8. Personal Protective Equipment (PPE)	4
3.9. Emergency Response	4
3.10. 24-Hour Emergency Contact Details	4
3.11. Incident Reporting & Near Miss Program	4
3.12. COMPANY HSE Audits	4
3.13. Induction Trainings	5
3.14. General Safety & Environmental Requirements	5
3.15. Remedies in the Event of Inadequate Performance	6

1. Purpose

The following are the minimum Health, Safety & Environmental (HSE) requirements for all Contractors executing work at or on behalf of Coca-Cola Beverages Pakistan Limited and associated off site contractors (i.e. Cooler Refurbishment and Pallet Repair Works, Contracted Warehouses operations). It is the Contractor's responsibility to communicate the HSE requirements under the scope of work covered in this Contract to all of their employees and subcontractors (if applicable) engaged to perform this scope of work, and to demonstrate they follow them.

The HSE requirements under the scope of work covered in this Contract include:

1. All requirements referenced in this document, the General Service Contract HSE Requirements; and,
2. Any specific requirements documented within each of the procedures relevant to your scope of work; and,
3. Any specific requirements documented within the scope of work under this contract or the specific requirements that will be handed over prior to the commissioning of the work at the Coca-Cola Beverages Pakistan Limited sites (by the plants/facilities).

2. Definitions

COMPANY- Coca-Cola Beverages Pakistan Limited

HSE – Health, Safety & Environment

PTW- Permit to Work

3. Requirements

3.1. Compliance with Legislation and COMPANY Site Rules

All work carried out by or on behalf of the Contractor shall as a minimum be in accordance with relevant country legislation and standards. In addition to legislative requirements and specific details outlined in this document, Contractors working at or on behalf of COMPANY are required to adhere to the requirements stated within this document and also that will be declared by the site/facility management. In this role, COMPANY has the authority to require Contractors to stop work if they are breaching the obligations within this document. In addition to the requirements outlined in this document, Contractors working on behalf of COMPANY under the scope of this contract must adhere to COMPANY's relevant HSE requirements which will be declared prior to the commissioning of the work at site/facility.

3.2. Prohibited Items

The following items are prohibited onsite:

- Firearms (except authorised officers of the law or Defence Force personnel when on duty)
- Explosives
- Illegal drugs
- Illicit substances
- Alcohol

3.3. Smoking

Smoking is prohibited onsite except for in designated smoking areas.

3.4. Safety Equipment

In general, contractors are required to bring their own safety equipment to the site. But in some cases, COMPANY may decide to provide some safety equipment. Where equipment is supplied by the COMPANY it shall be treated with due care. Under no circumstances shall safety equipment be modified from manufacturers' specifications without approval from the COMPANY. This may lead to instant dismissal from the site.

3.5. Permit to Work (PTW)

All dangerous work conducted under the scope of this Contract will be conducted in accordance with the COMPANY "Permit to Work" process. COMPANY operates a stringent permit to work system - the Contractor shall not commence any work in the plant/facility unless the appropriate permits have been granted for the dangerous work.

Dangerous Works are considered as below, but may not be limited to:

- Confined Space Entry.
- Excavation.
- Working at Heights.
- Energy Isolation (Logout Tag out).
- Any work related to Electrical Safety.
- Hot Work.
- Working on the Roofs

3.6. Risk Assessment

The Contractor shall prepare a risk assessment for all of its operations and submit those risk assessment documents to the plant/facility before commissioning/start of the work.

3.7. Material Safety Data Sheets

The Contractor shall provide MSDS's for all chemicals/hazardous materials that they intend to use onsite before commissioning/starting of the work at site.

3.8. Personal Protective Equipment (PPE)

The Contractor shall provide the necessary PPE in the appropriate quantity and comply with the relevant local country Standard/s or in case there is no country standard/regulation the PPEs should comply with EN norms or ANSI norms. Specifically, this will require the provision of a full body harness for working at heights works. Safety belts are PROHIBITED.

3.9. Emergency Response

All contract personnel shall be made aware of the COMPANY's emergency response protocols, signage, and muster point locations in COMPANY's HSE Induction. In the event of an emergency (highlighted by the sounding of the site alarms or any announcement by the local site responsible) all contract staff must follow the protocols and adhere to any instructions provided by Emergency Personnel and/or their contractor site responsible.

3.10. 24-Hour Emergency Contact Details

The Contractor shall provide their contractor responsible of site with 24-hour contact phone numbers in the event of an emergency.

3.11. Incident Reporting & Near Miss Program

Contractors shall report all incidents that occur onsite to COMPANY site Safety Responsible and site project responsible immediately. In the event of an incident, the scene shall be preserved as far as reasonably practicable until the site safety responsible arrives.

COMPANY operates a Near Miss Reporting process. If there is a near miss observed at the site by the contractor employees, they could reach out to the site safety responsible arrives.

3.12. COMPANY HSE Audits

COMPANY reserves the right to audit the contractor's onsite work and adherence to a HSE system, procedures, the content of this contract and COMPANY's site rules and procedures. If there is a non-conformance occurred during these onsite HSE Audits, the contractors are required to have an effective corrective action plan and implement it. If there is an immediate danger to health/safety issues observed during the onsite HSE audits, then COMPANY has the right to stop the job.

until the necessary precautions are taken and the site is clear/safe for operation. COMPANY also has the right to remove any contractor, contractor employee or subcontractor from plant property for violations of any plant rules, regulations, or laws.

3.13. Induction Trainings

Prior to commencing work on site all contractor personnel are required to have completed induction training to cover the work they intend to do.

3.14. General Safety & Environmental Requirements

1. The Contractor shall take all reasonable steps to ensure the health and safety of all persons likely to be affected by the contracted scope of work, shall take all reasonable steps to avoid harm to the environment by the execution of the contract.
2. The Contractor shall in performing the contracted scope of work provide all necessary protection of the workplace premises, facilities and of plant, components, goods, materials and at their cost make good any damages to the satisfaction of the building owner / landlord or appointed agents.
4. The contractor shall agree to comply with the safety plan that is agreed by COMPANY, contribute to any risk assessments, associated method statements to ensure a safe method of working is maintained.
5. While on the COMPANY Premises, the Contractor shall comply with any health and safety measures implemented by COMPANY or the in respect of personnel and other persons working on those Premises.
6. The Contractor shall ensure that their health and safety policy statement and supporting management system documentation is made available to COMPANY on request, and grant COMPANY right of access for audit and verification subject to reasonable notice.
7. Where requested, by COMPANY the contractor shall seek accredited certification to OHSAS 18001 and or ISO 14001 to independently demonstrate compliance to the required standards.
8. The Contractor shall employ and retain during all working hours, competent personnel to the reasonable satisfaction of COMPANY. Should COMPANY be dissatisfied with the personnel and give written notice thereof to the Contractor, the Contractor shall exclude such personnel from the provision of the contracted scope of work and substitute other personnel in their place.
9. Upon request of COMPANY the contractor shall provide all relevant records to demonstrate effective health and safety controls such as maintenance, inspection and test records of vehicles, plant and machinery and personal protection equipment.
10. The Contractor warrants and represents that all staff assigned to the performance of the Contract shall possess and exercise such skill and experience as being necessary for the proper performance of the Contract.
11. In the event that the contracted scope of work includes design activity the contractor warrants that all appropriate safety precautions will be design into the solution and associated safe working practices for implementation.
12. The Contractor shall not treat or dispose of any waste as a result of executing the contracted scope of work in a manner likely to damage the health and safety of any person or the environment and shall comply with every relevant statutory duty.
13. To the extent that the standard of work has not been specified in the Contract, the Contractor shall use the best applicable techniques and standards and execute the Contract with all reasonable care, skill, and diligence.
14. All minimum training requirements shall be addressed and records available prior to any contractor personnel commencing work for long term construction contractors. The Contractor shall undertake such health and safety related training to ensure legislative compliance and to ensure that the safe working practices defined by COMPANY, or they can be maintained.
15. The construction contractor shall notify COMPANY of all personnel who will conduct survey, construction, installation, maintenance, delivery, removal, or other associated works, including name, roles & responsibilities indicating who shall have primary responsibility for health and safety.
16. The construction contractor shall notify COMPANY of all their sub-contractors and get approval from COMPANY prior to their use. The contractor shall remain responsible for all Health and safety requirements and performance of their tier contractors and shall pass on the COMPANY and health and safety requirements as deemed appropriate to ensure the integrity of the health and safety provisions are maintained.

3.15. Remedies in the Event of Inadequate Performance

1. If the Contractor fails to perform any of the Services to the Contract requirements for Health, Safety and Environmental Management, then COMPANY shall instruct the Contractor to perform the work, and the Contractor shall at its own cost and expense remedy such failure (and any damage resulting from such failure).
2. Should the Contractor commit a significant breach, or fail in the performance of its duties with respect to Health, Safety or Environmental management under the contract COMPANY will at its discretion: -
 - Cancel the contract forthwith without liability to the Contractor.
 - Make such deduction from any payments due or already made to the Contractor as COMPANY shall reasonably determine are required make good or complete work the contractor has either failed to provide or have provided inadequately.

- Provide or procure the provisions of part of the contracted work until such time as the Contractor shall have demonstrated to the reasonable satisfaction of COMPANY that the Contractor will once more be able to perform such part of the Services to the Contract Standard.

3. For the purpose of clarification deductions in response to failing in the performance of health and safety duties shall be made in accordance the following table.

EHS Compliance	Penalty
Improper Harness / no dual lanyard harness	\$100,00
No safety shoes	\$100,00
No lifeline system used	\$150,00
No hard hat	\$100,00
No eye protection for hot works	\$100,00
Smoking in non-smoking area	\$100,00
Induction training is not taken	\$100,00
No LOTO implementation (per each case)	\$250,00
No work permit taken	\$150,00
Working under the influence of alcohol	\$500,00
No test while working in confined space	\$250,00
Determination of assignment of tier-subcontractor without COMPANY's approval	\$250,00
Damaged electrical instruments being used (grinder, drill, cable, Hilti, etc.)	\$100,00
Determination of bad housekeeping, left over wastes	\$100,00
Refusal to follow safety instructions	\$100,00
Not using chokes while loading and unloading of the operations of the trucks/trailers	\$100,00
Determination of not reporting an incident to COMPANY that occurred on site	\$100,00
Determination of the vehicle/vehicles all seats are lack of safety belts/laps	\$100,00
Working on unapproved working platform/scaffolding	\$250,00

4. All such penalties will/shall be documented and the contractor to be notified. In addition, the contractor shall initiate appropriate corrective and preventative actions as requested by and to the satisfaction of COMPANY.
5. COMPANY reserve the right to define additional penalties in response to analysis of overall health and safety performance. The Contractor shall be notified of all such changes before they are introduced.

SCHEDULE V

Basic Principles for Suppliers and Business Management Code of Ethics

This document ("Code") is valid for Coca-Cola Beverages Pakistan Limited ("CCI" or the "Company").

This document constitutes an annex to and, integral part of the Agreement as concluded by and between CCI on the side and the ("Supplier") on the other. This document represents the basic rules of the commercial relation between CCI and the Supplier. This document will be applied whether there is a signed contract or not.

Basic Principles for Suppliers

CCI, its subsidiaries and the suppliers as authorized by CCI are required to comply with the principles as laid down hereunder in connection with the entirety of their businesses.

- **Laws and Regulations:** The Supplier should comply with any or all laws, regulations, rules and conditions in effect during the production and distribution of our products and materials and in providing services to the Company.
- **Child Labor:** The Supplier should comply with the prohibition of child labor in the manner as laid down in the local regulations.
- **Forced Labor:** The Supplier should not employ its employees by use of force.
- **Labor Abuse:** The Supplier should not physically abuse labor.
- **Collective Labor Agreements:** The Supplier should respect the rights of its employees to be represented by third parties and to hold collective bargaining within the framework of the laws in effect.
- **Fees and Interests:** Fees and Interests should be determined within the framework of the local law.
- **Working Hours and Overtime Work:** The Supplier should adhere to the local laws and regulations relevant to the working hours and overtime work.
- **Health and Security:** The working conditions should be in correspondence with the local laws and regulations.
- **Environment:** The Supplier should comply with any or all environmental laws in effect.

In performing the work subject of the present Agreement, the Supplier agrees and undertakes to comply with the "Basic Principles for Suppliers" as stipulated by CCI and attached to this Agreement as Appendix. The Supplier should be able to show, upon request by, and to the satisfaction of CCI, that the Supplier follows the said basic principles.

This Agreement authorizes CCI and its subsidiaries to inspect the site where the work subject of the Agreement is performed for the purpose of determining whether the said principles are followed or not. If the Supplier fails to comply with the said basic principles to the satisfaction of CCI, CCI shall be entitled to the right to terminate this Agreement immediately, and in such case, the Supplier may not raise any claim whatsoever for any compensation, penalty clause, or under any title whatsoever against CCI.

Business Management Code of Ethics

CCI expects all of its employees and suppliers to comply with the laws and to follow the ethics in every subject. Our Business Management Code of Ethics lays down the basic standards relating to employee attitude. This Supplier Business Management Code of Ethics sets out the relevant requirements for our suppliers. We can attain great success by cooperating and doing the right thing.

Note: This Code covers the general requirements applicable to all of those who Supply to CCI. Certain supplier contracts or the legal regulations which our suppliers are subject to may include more specific provisions treating some of the identical issues. No subject within the scope of the present Code is intended to replace a more specific provision as stipulated under a certain supplier contract or the laws and legal

regulations, and in case of any inconsistency between the present Code and any other provision of a certain contract, the other specific provisions shall control.

Conflicts of Interest

The employees of CCI shall act in the best interests of the Company. Accordingly, the employees should not be involved in any financial or other relationship with any supplier which may conflict or appear to conflict with the obligation to act in the best interests of CCI. For instance, suppliers should not offer anything of value or make any payments to any employee of the Company during any transaction process with the supplier. Friendships beyond the business process are unavoidable and acceptable, however, suppliers should take care that no personal relationship is used in a way as to affect the business decisions of an employee of CCI. If an employee of a supplier has any familial relationship (spouse, parent, sister/brother, grandfather, daughter/son, granddaughter/grandson, mother-in-law or father-in-law or similar or house partner of the opposite sex) with an employee of CCI, or if a supplier is involved in any relationship with an employee of CCI which may represent a conflict of interest, the supplier shall have to disclose this fact to CCI and, further, to ensure that the employee of CCI will disclose as such.

In case of such a situation, CCI shall be entitled to terminate the Agreement unilaterally.

Gifts, Food and Entertainment

The employees of CCI shall be prohibited to accept anything more than modest gifts or meals from suppliers. Ordinary business meals may be given; however, suppliers shall have to refrain from frequent offering of travels, meals or gifts to the employees of CCI. Gifts made of cash or cash equivalents such as gift cards shall in no way be permissible.

Business and Financial Records

Both the Supplier and CCI shall have to keep true records of all subjects relating to the business of the supplier with CCI. Keeping of proper records of any or all expenses and payments shall be included in this. In case CCI works with a supplier on a time basis, time records shall have to be full and accurate. Suppliers should not delay sending of an invoice or otherwise enable the shifting of any expense to a different accounting period.

Bribery

Suppliers acting for and on behalf of CCI should adhere to all the local laws relating to bribing government officials. In connection with any transaction under the capacity of supplier to CCI, or otherwise concerning CCI, the Supplier should not transfer, whether directly or indirectly, anything of value to a government official, an employee of a company under state inspection or a political party in order to obtain an improper benefit or advantage. Suppliers shall have to keep a written account of all the payments (Including gifts, meals, entertainment or any other thing of value) effected out of the funds provided for or by CCI. Suppliers should furnish a copy of such accounts upon request by CCI.

Compliance with Sanctions and Anti-Money Laundering

The Supplier is required to comply with applicable local and international sanction laws, national and international anti-money laundering regulations and all regulations applicable to it or to CCI, with embargos, restrictive measures or export controls (collectively referred to as "Sanctions"), take effective measures to detect the proceeds of crime and prevent money laundering, evaluate its processes with a risk-based approach within the framework of the "know your customer" principle and report any suspicion of a transaction to CCI without any delay. In this context, it is prohibited for the Supplier to engage in a commercial relation with Specially Designated Nationals ("SDN"); certain governmental organization or group entities referred to as blocked persons and/or prohibited party(ies), within the context of the product/service it will provide to CCI, it is prohibited from using the input obtained from, receiving payments from, or making payments to, certain governments, institutions, groups or individuals referred to as Specially Designated Nationals, blocked persons and/or prohibited party(ies) subject to sanctions in any way or taking part in any transaction that is suspected or associated with proceeds of crime. In the case of violation of this prohibition, the supplier accepts, declares and undertakes itself to investigations, including into the commission of financial crimes, embargos, import/export restrictions, freezing of assets, permit/license revocation, to prison and fine money, restriction of financial transactions and criminal liability and that it will tolerate any material and moral damages, including loss of reputation, that may occur before CCI. The Supplier acknowledges that not only itself but also its affiliated companies, subsidiaries, its own employees, counsellors, organization, institution or business partners involved in the fulfilment of the work and that this may constitute a risk under this Code.

In addition, the Supplier shall, if requested by CCI, submit all the information, documents and permits that can satisfy CCI related whether compliance with sanctions and the anti-money laundering is ensured. In case where incomplete information or documents are submitted or there is any doubt the Supplier's compliance the regulations that were previously mentioned, the Supplier agrees that CCI may immediately terminate its contract with the Supplier without compensation and may claim any damages that may cause for this reason.

Protection of Data

Suppliers shall be obliged to protect the confidential data of CCI. Suppliers who are provided access to confidential data as part of the business relationship should not share such data with any other person unless authorized to do so by CCI. Suppliers should not deal in securities relying on the confidential data received from CCI, nor encourage any other person to do so. If a supplier believes that they are provided access to the confidential data of CCI by error, such supplier shall be obliged to notify the respective contact person within the Company immediately and to refrain from disclosing such data to any other parties.

Similarly, if a supplier is under a contractual or legal obligation not to share the data relevant to any other company or person, they should not share such data with CCI.

The Supplier agrees and undertakes to make all its developments in accordance with international standards and to take all necessary precautions regarding information security and to act in accordance with all instructions to be communicated by CCI regarding information security. If CCI wishes to undergo safety and performance testing of the services received from the Supplier before being transferred to the live environment, and critical and high-priority security vulnerabilities arise, and if the related vulnerability is related to the Software developed by the Supplier, these problems shall be remedied by the Supplier immediately. If the security gaps before the transfer to the live environment are not related to the software developed by the Supplier and related to the software / hardware under the responsibility of CCI, the Final Acceptance of the project shall be made and the security required for the transfer of the project to the live environment shall be transferred to the live environment. The Supplier shall immediately inform CCI using information.security@cci.com.tr email address in case of a security incident that may affect CCI due to any weaknesses in its systems.

The Supplier shall be obliged to provide such information or document in a timely and requested manner if any information or document are requested by any regulatory authority or in accordance with any laws in Pakistan.

Protection of Personal Data

The Supplier agrees and undertakes that any Personal Data shared by CCI whether in written or oral form, is obtained, processed and shared in accordance with the relevant local laws and relevant legislations.

The Supplier hereby agrees and undertakes to fully comply with the laws and relevant legislations; to keep the Personal Data confidential; to prevent the Personal Data from unlawful process and access; not to transfer the Personal Data to third parties or overseas; to use and store the Personal Data limited with the purpose and duration of the Agreement or the transaction in general; not to process the Personal Data without explicit consent of the data subject and CCI; without the necessity of a notification from CCI, to erase, destroy or otherwise anonymize the Personal Data immediately after the reasons of processing has expired, save for the statutory obligations.

The Supplier further undertakes to take all technical and administrative precautions to prevent the Personal Data from unlawful processing and to store the Personal Data limited with the purpose and legal period pursuant to the laws and the relevant legislations.

The Supplier guarantees to commensurately identify the authorization of its personnel, sub-contractors' personnel or other individuals (together shall mean "Personnel") to access and process the Personal Data in a limited manner and in line with the laws and the relevant legislations. The Supplier further ensures that such Personnel shall not transfer or share the methods/passwords used for the authorization to access and process the Personal Data and to inform and educate the Personnel about the obligations set forth in the laws and relevant legislations. The Supplier undertakes that its Personnel shall not breach the terms of this



E-STAMP
CONTINUATION SHEET

undertaking even they have ceased working for the Supplier after the signature date of this undertaking; otherwise, to be under joint and several liability together with the related Personnel.

The Supplier's obligations arising out of the laws and relevant legislations survives after the expiration or termination of the Agreement; however, in any case following the termination/expiration of the Agreement, the Supplier shall return all Personal Data obtained from CCI; shall not keep a record of the same for whatever reason and destroy all Personal Data. The Supplier agrees to fulfil the requirements of CCI pertaining to return or destroy of Personal Data within five (5) business day commencing from the receipt

of such requirement.

Reporting of any Possible Misconduct

Those suppliers who believe that an employee of CCI or any person acting for and on behalf of CCI have engaged in any illegal or otherwise improper conduct should report this to the Company. The supplier may contact the manager of such employee or the Legal Directorate and, apply to third-party operated CCI Ethics Line via telephone at +90 212 371 07 32. The relationship of a supplier with CCI shall not be affected from a possible misconduct reporting carried out in good faith.

The Supplier agrees and undertakes that the Supplier and/or any one of their employees shall read any provision of "CCI Business Management Code of Ethics" constituting Appendix to this Agreement as an integral part of the present Agreement or take any action whatsoever which may constitute a breach thereof.

TOTAL WASTE Management (SMC Private) Limited.	COCA-COLA BEVERAGES PAKISTAN LIMITED.
Name surname: <i>Muhammad Tariq</i> Designation: <i>CEO</i> Signature Date: Stamp / Signature: <i>[Signature]</i>	Name surname: <i>Serban Selcuk</i> Designation: Signature Date: <i>HOF</i> Stamp / Signature:
Name surname: <i>Gulshan Abbas</i> Designation: <i>BDM</i> Signature Date: Stamp / Signature: <i>[Signature]</i>	Name surname: <i>Sunay Samil</i> Designation: Signature Date: Stamp / Signature: <i>[Signature]</i>





E-STAMP

0320-31639217

PB-LHR-B4E10DCEE1816825



Non-Judicial

Rs 1,200/-

Description	: AGREEMENT OR MEMORANDUM OF AN AGREEMENT - 5(ccc)
First Party	: Total Waste Management Smc Pvt Ltd [1000000000000]
Second Party	: Coca cola Beverages Pakistan Limited [1000000000000]
Agent	: Gulfam [10000-0000000-0]
Stamp Duty Paid by	: Coca cola Beverages Pakistan Limited [1000000000000]
Issue Date	: 13-Aug-2025, 11:30:54 AM
Paid Through Challan	: 2025A33EBEC8F22D
Amount in Words	: One Thousand Two Hundred Rupees Only

Please Write Below This Line

AGREEMENT FOR LIFTING AND MANAGEMENT OF HAZARDOUS SCRAP ITEMS

THIS AGREEMENT FOR LIFTING AND INCENERATION OF SCRAP ITEMS (HARAZDOUS) (the "Agreement") is made at Lahore on this August of 2025,

BETWEEN

Coca-Cola Beverages Pakistan Limited, a company incorporated and existing in Pakistan and having its registered Head Office at 26 FCC, Syed Maratab Ali Road, Gulberg IV, Lahore, Pakistan acting through its authorized representative **Mr. Zabee Ullah** holder of CNIC No. 33100-9136414-9 and **Muhammad Yousaf**, holder of CNIC No. 33302-4414222-1 (hereinafter referred to as "CCBPL" which expression shall, where the context so permits, shall be deemed to include its successor-in-interest and permitted assigns

AND

Muhammad Tariq, holder of CNIC No. 35202-9814313-5, owner of a proprietary concern operating under the trading style "**TOTAL WASTE Management (SMC Private) Limited**" Plot No. 10 liberty Town 12.5 KM Sheikhpura Road District Sheikhpura. (hereinafter referred to as "Contractor" which expression, where the context permits, shall be deemed to include its successors-in-interest and permitted assigns and all persons claiming title through or under or in trust for it).

(Hereinafter the expressions "CCBPL" and "Contractor" shall be, wherever the context permits or requires, individually referred to as "**Party**" and collectively as the "**Parties**").

WHEREAS

- CCBPL is desirous to initiate collection of hazardous scrap items (the "Items") from CCBPL's premises Khyali Bypass Road **Gujranwala**; Coca Cola Plant Industrial City Phase II, Plot # 52-60, Sahianwala **Faisalabad** Plant/ Plot 141-148 & 163-170, Industrial Estate Phase 2, **Multan**, Coca Cola Plant, 23-KM, Raiwind Road, **Lahore**, Shahbaz Pur Road **Rahim Yar Khan** (the "Site(s)") as per the guidelines of the Environmental Protection Agency (the "Agency"). The Items and services required are more particularly defined and described in **Schedule I** hereof.
- The Contractor has qualified and is duly licensed by the Agency to render hazardous scrap waste management and disposal services as required under applicable law.



the terms and conditions hereinafter appearing. A copy of the license issued by the Agency is attached hereto as **Schedule II**.

- c) The Contractor is desirous to provide CCBPL incineration services for the Items as per the prices mentioned herein.

NOW, THEREFORE, it is agreed as follows:

1. Term

This Agreement shall be effective for a period of one year from **1st JUNE 2025** till **31st MAY 2026**, and further extendable for another one (01) year term upon CCBPL's sole discretion.

The Contractor shall provide the Services from the effective dates set forth below for each respective Site

Site	Effective Date for initiation of Services
Lahore Plant	1 st June 2025
MGF Plant	1 st June 2025
FGF Plant	1 st June 2025
Rahim Yar Khan Plant	1 st June 2025
GUJ Plant	1 st June 2025

2. Price and Payment Mechanism:

- 2.1 The Contractor shall provide the Services at such rates as listed in the relevant column of **Schedule I** hereto, during the term of this Agreement. The Contractor shall be responsible to ensure disposal of the waste as per relevant laws, rules and regulations. The Contractor shall also ensure that it has the capacity to dispose the waste and there is no violation of any law, this Agreement, policies and guidelines of CCBPL.
- 2.2 All invoices of the Contractor shall become due for payment, within sixty (60) days after presentation of incineration certificate.
- 2.3 The items shall be sold to the Contractor at the prices mentioned in schedule I Part-B upon receipt of full advance payment by CCBPL.
- 2.4 All invoices from the Contractor shall be in the prescribed format of CCBPL as appended in **Schedule III**. All invoices shall be pursuant to a Purchase Order ("PO").
- 2.5 All payments to the Contractor shall be inclusive of all taxes.

3. Services:

- 3.1 Hazardous items shall be lifted by the Contractor; transportation & incineration charges will be payable by CCBPL to the Contractor as per **Schedule I**.
- 3.2 The Contractor shall be responsible to collect, identify, package, label, load, lift, transport the Items from the Sites and dispose of the Items as per Agency's and CCBPL's guidelines.
- 3.2 The Contractor shall solely be responsible for transportation from the Sites including all related handling, unloading of the Items, and all associated costs and any expenses of whatsoever nature.
- 3.3 Scrap loading will be done only at daytime, under the supervision of CCBPL's Warehouse representative and presence of CCBPL's security guard. All scrap loading at a toll filler's facility designated by CCBPL shall be done only at daytime,

under the supervision of CCBPL's representative and presence of security guard of toll filling facility.

- 3.4 A non-returnable gate pass will be prepared by CCBPL's warehouse supervisor, approved by CCBPL's authorized representatives and handed over to the Contractor upon exit from CCBPL's premises. The Contractor shall hand over the gate pass to CCBPL's security staff present at the gate of the Site, and only upon physical verification of the Items will the vehicle be allowed to exit. At the toll filler's facility non-returnable gate pass will be prepared and signed by CCBPL's representative and handed over to the Contractor upon exit from toll filler's premises. The Contractor shall hand over the gate pass to toll filler's security staff present at the gate of the Site, and only upon physical verification of the Items will the vehicle be allowed to exit.
- 3.5 The Contractor shall ensure that all required equipment necessary for the Services e.g. crusher/incinerator are available, according to Agency and CCBPL's requirements for proper performance of the Agreement by the Contractor. Details of the required equipment are provided in Schedule I, Part A. Any failure on the part of the Contractor to ensure proper incineration/disposal shall be at the sole cost and liability of the Contractor.
- 3.6 The Contractor shall be responsible to ensure disposal of the waste as per relevant laws, rules and regulations.
- 3.7 The Contractor shall also ensure that it has the capacity to dispose the waste and there is no violation of any law, this Agreement, policies and guidelines of CCBPL.
- 3.8 The Contractor shall ensure the proper destruction of hazardous scrap through incineration. The incineration activity by the Contractor may be cross-checked through spot checks and audits by CCBPL.
- 3.9 The Contractor shall provide an incineration certificate to CCBPL's authorized representative for every load of hazardous scrap which has been destroyed by the Contractor. The incineration certificate must specify the quantity of each Item by description that has been disposed of. Submission of fake or incomplete certificates shall result in immediate termination and forfeiture of any outstanding amounts towards the Contractor from CCBPL.

4 Contractor's Responsibilities and Representations:

- 4.1 In case of any loss caused to CCBPL by the Contractor or its/his employee(s) or damage to any person or property of CCBPL or any third-party during lifting, the same shall be payable by the Contractor to CCBPL within thirty (30) days. The cost of damage shall be ascertained at the sole discretion of CCBPL but will in all cases be an assessment based on actual damage suffered. Failure to make payment against losses shall entitle CCBPL to reimburse the cost of said damages through deductions from any amounts outstanding to the Contractor.
- 4.2 Contractor acknowledges and accepts that if any property owned by CCBPL other than the Items defined herein, including any asset, wooden pallet, plastic scrap, trash, mixed scrap etc., is lifted due to any reason, including due to the negligence of either the Contractor and CCBPL, the Contractor shall be liable to make good the damages and losses suffered by CCBPL arising out of the same. The liability in relation to this clause shall be ascertained solely by CCBPL and any decision taken by CCBPL in this regard shall be final. The cost of damages arising hereunder may be deducted from any amounts owing from CCBPL to the Contractor or by means of any other remedy as per CCBPL's discretion.
- 4.3 The Contractor shall comply with all the formalities and requirements of CCBPL or the Agency or other relevant authority while lifting/transportation of Items. Any delay of any obligation(s) or non-compliance by the Contractor shall entitle CCBPL to charge liquidated damages at the rate of 1% per day of the expected invoice for a month, up to such time till the obligation is fully met or non-compliance is fully remedied by the Contractor, however, in case such liquidated damages exceed 20 % of the expected value of the invoice of that month CCBPL shall be entitled to terminate this Agreement, in addition to any other remedies it might have under this Agreement. CCBPL shall be entitled to deduct liquidated damages under this clause from the amounts owed to the Contractor or by means of any other remedy as per CCBPL's discretion.

- 4.4 The Contractor represents that it possesses sufficient capacity to handle hazardous scrap as per CCBPL's requirements as communicated to the Contractor from time to time. The Contractor shall indemnify CCBPL in case it is performing the services contemplated herein Clause 3 without having sufficient capacity and capability to undertake the same and/or is performing any contravening actions which give rise to any claims against CCBPL from any third party.
- 4.5 Contractor warrants that it will comply with all laws, rules, regulations enacted by the federal, provincial, or local authorities in relation to the Items.
- 4.6 The Contractor shall be bound to comply with and adhere to all security and disciplinary rules and regulations enforced by CCBPL or the Agency or any other relevant authority from time to time. The Contractor shall also comply with Health, Safety and Environmental Standards of CCBPL, as set out in Schedule IV.
- 4.7 The Contractor shall comply with the requirements of the Supplier Guiding Principles set out in Schedule V attached hereto at the request of and to the satisfaction of CCBPL.
- 4.8 The Contractor hereby agrees to provide a renewed license as soon as the License appended hereto at Schedule II expires. In the event that, the Contractor does not provide a valid License CCBPL shall have the right to immediately terminate this Agreement.
- 4.9 The Contractor warrants that he shall employ no personnel from the outgoing vendor which has worked with CCBPL previously in a similar capacity.
- 4.10 The Contractor shall not hire any employees with any reference to CCBPL, or upon any suggestion, bribe, coercion, or influence of CCBPL or any of its employees, which includes former CCBPL employees or the first-degree relatives of former CCBPL employees. In the event that the Contractor is approached by anyone in connection to the same, the Contractor shall immediately inform CCBPL. In the event that the Contractor hires any employee with reference to CCBPL as stated above, and does not disclose the same, CCBPL shall be entitled to terminate the Agreement, and claim damages as determined at its own discretion.

5. **Termination and non-exclusivity**

- 5.1 This Agreement can be terminated forthwith by CCBPL in its absolute discretion without assigning any reason by serving five (05) days written notice to the Contractor.
- 5.2 CCBPL shall be entitled to terminate this Agreement forthwith if the Contractor fails to maintain appropriate licenses/authorizations, certifications required to provide Services under this Agreement. Furthermore, any verdict passed by any judicial or quasi-judicial forum which incapacitates the Contractor from performing its part of this Agreement shall also entitle CCBPL to terminate this Agreement immediately.
- 5.3 CCBPL may terminate this Agreement forthwith and without liability to the Contractor in case the liquidated damages as mentioned herein exceeds 20 percent of that month's expected invoice value.
- 5.4 CCBPL may terminate this Agreement forthwith and without liability to the Contractor if any legal proceedings are brought against the Contractor, including bankruptcy or insolvency proceedings or if at any point during this Agreement CCBPL's business operations are interrupted due to any investigations, inquiries or proceedings instituted against the Contractor by any authority or court of law.
- 5.5 CCBPL may terminate this Agreement forthwith and without liability to the Contractor if any administrative proceeding, investigation, action, arbitration, claim or litigation before any agency or in any forum is decided against the Contractor.
- 5.6 CCBPL may terminate this Agreement forthwith and without liability to the Contractor if the disposal, incineration certificates submitted by the Contractor are found to be fake at any point in time.
- 5.7 CCBPL also reserves the absolute right to conduct inspections and audits of the Contractor's facilities from time to time and terminate the Agreement forthwith in case it is determined by CCBPL that the Contractor is in non-compliance of this

Agreement, applicable laws, CCBPL policies and guidelines, including non-compliance of Schedules IV and V.

- 5.8 Notwithstanding the above, either Party may terminate this Agreement upon the occurrence of a breach of any term or condition of this Agreement by either Party which breach is not rectified within ten (10) days of being notified of such breach.
- 5.9 The Contractor acknowledges that CCBPL has the right, at any time and from time to time during the term of this Agreement, to carry on the delivering and transporting of the Items itself or through any other Party in the specified area from time to time.

6. Indemnity

- 6.1 The Contractor will be solely responsible and liable for death and any accidental or bodily injury sustained by the Contractor himself or any of its/his employees and for the payment of any compensation, statutory or otherwise. Contractor hereby undertakes to indemnify CCBPL and its employees against all claims, demand, and losses of whatsoever nature.
- 6.2 The Contractor agrees that it shall protect, defend, indemnify and hold harmless CCBPL and its employees, from and against all liabilities, losses, costs, damages, expenses, claims, attorneys' fees, and disbursements of any kind or of any nature whatsoever imposed upon CCBPL, whether incurred directly or indirectly by CCBPL, by virtue of, or in connection with, or arising out of:
- a) failure of the Contractor or any carrier to maintain appropriate licenses to carry out the purposes of this Agreement.
 - b) failure, of the Contractor to abide by any laws, rules, regulations relating to the Items; his establishment; future use, sale of the Items (non-hazardous).
 - c) claims made by any employees or agents of the Contractor or by any operations of the Contractor related to the Contractor's responsibilities to CCBPL under the terms of this Agreement, including any claim by the Contractor personnel that they are CCBPL employees for any purpose.
 - d) claims arising from the negligence of the Contractor in performing its responsibilities pursuant to the terms of this Agreement; or
 - e) other claims arising directly or indirectly out of the transportation of Items on behalf of CCBPL by carriers selected by the Contractor, including but not limited to claims arising from accidents involving equipment used to transport such Items.

7. Confidentiality

- 7.1 For the purpose of this Agreement, CCBPL may disclose or otherwise provide to the Contractor, such information as may be of a confidential nature, i.e., information that is not presently in the public domain. The Contractor undertakes that the Contractor and his/ its Personnel shall not disclose such information and shall keep such information strictly confidential at all times during the validity of this Agreement as well as subsequent to expiration of this Agreement.

8. Dispute Resolution

- 8.1 In case of any dispute, CCBPL through the relevant department shall investigate the matter and report of any such investigation shall be acceptable to the Contractor.
- 8.2 If the Contractor does not accept the investigation report, then either Party may refer such dispute to arbitration under the Arbitration Act 1940 ("Act") and the rules ("Rules") made there under. The arbitration shall be undertaken by one (01) arbitrator appointed in compliance with the Act and the Rules. The arbitration shall take place at Lahore and the language for the arbitration shall be English.
- 8.3 The award made by the arbitration process shall be final and binding on the Parties and may be enforced in any court of competent jurisdiction. Notwithstanding any provision to the contrary in this Contract, this clause shall survive any expiration.

or termination of this Contract or any other provision hereof, and upon such event shall take effect as an independent arbitration agreement.

9. FORCE MAJEURE

Except with respect to due payment obligations under this Agreement, no party shall be liable for, nor shall such party be considered in breach of this Agreement due to, any failure to perform its obligations under this Agreement as a result of a cause beyond its control, including any act of God or a public enemy or terrorist, act of any military, civil or regulatory authority, change in any law or regulation; civil disturbance, explosions, war, insurrections, epidemic, pandemic; fire, flood, washouts, earthquake, storm, lightning or other like event, disruption or outage of communications, power or other utility, labour problem, unavailability of supplies, or any other cause, whether similar or dissimilar to any of the foregoing, which could not have been prevented by such party with reasonable care (each, a "Force Majeure Event"). Within 72 hours of the occurrence of a Force Majeure Event, the affected party shall notify the other party of the occurrence with reason by sending either (i) an e-mail message, or (ii) a fax message, or (iii) a written notice to the other party. The time for performance required of the affected party shall be extended by the period of such delay provided the party is exercising diligent efforts to overcome the cause of such delay. All dates of performance or delivery under this Agreement that have been affected by Force Majeure shall be extended for the duration of such Force Majeure. Notwithstanding the above, in the event that such Force Majeure Event extends for or is foreseen to extend for more than 30 (thirty) days CCBPL shall be entitled and authorised to unilaterally terminate this Agreement, subject to the provisions of this Agreement. In such eventuality, the Agreement shall be construed to have expired (and not terminated), and the Service Provider/Supplier/Contractor shall not be entitled to claim any rights, receivables, compensation or damages for the remaining Term or expected Work/Order of the Agreement.

10. NOTICES

10.1 A notice, approval, consent or other communication in connection with this Agreement:

- (a) shall be in writing in the English language; and
- (b) shall be left at the address of the addressee, or sent by registered air mail post/courier (airmail if posted to or from a place outside Pakistan) to the address of the addressee or sent by facsimile to the facsimile number of the addressee which is specified in this clause or if the addressee notifies another address or facsimile number then to that address or facsimile number. The address and facsimile number of each Party is:

Coca-cola Beverages Pakistan Limited

Address: 26 FCC, Syed Maratab Ali Road, Gulberg IV, Lahore

Attn: _____

The Service Provider

Address: **TOTAL WASTE Management (SMC Private) Limited**, Plot No. 10 liberty
Town 12.5 KM Sheikhpura Road District Sheikhpura.

Attn: _____

11. Miscellaneous

- 11.1 This Agreement embodies the entire understanding of the Parties and there are no promises, terms, conditions, or obligations oral or written express or implied other than those contained herein.
- 11.2 This Agreement supersedes and cancels all prior agreements, understandings and undertakings relating to the subject matter hereof. No variation, revision, modification, alteration, or amendment to this Agreement shall be valid unless in writing duly executed by the parties.
- 11.3 The Contractor shall not assign this Agreement. The Contractor may not license, charge, or otherwise purport to grant rights over or transfer the benefits of or subcontract any of its rights or obligations under this Agreement.
- 11.4 The Contractor shall comply with any and all applicable laws governing corrupt practices, at all times. The Contractor shall also comply with any anti-terrorism laws applicable to them.
- 11.5 Each Party must take precautions to prevent its respective personnel, employees, subcontractors, or agents from making, receiving, providing, or offering any substantial gifts, extravagant entertainment, payments, loans, or other considerations to the employees of the other Party and/or their families and/or any third parties in connection with this Agreement.
- 11.6 Notification addresses of both parties are written in the recitals of this agreement. Parties have declared that all of the notifications to be sent by any of the Parties as per this Agreement have to be made in writing. In case one of the Parties fails to notify an address change in writing, the notifications made to these addresses shall be deemed as having been received by the concerned party at that address and they shall not have any objection rights in this regard.
- 11.7 Nothing in this Agreement shall constitute or be deemed to constitute a partnership between the parties hereto or constitute or be deemed to constitute the Contractor as an agent of CCBPL or its principals for any purpose whatever and the Contractor shall have no authority or power to bind CCBPL or its principals or to contract in the name of or create a liability against CCBPL or its principals in any way or for any purpose.
- 11.8 No waiver by CCBPL of default of the Contractor under this Agreement shall be construed as a continuing waiver thereof or as a future waiver of similar or identical default.
- 11.9 This Agreement shall be construed in accordance with the laws of Pakistan and the Courts at Lahore shall have exclusive jurisdiction.

IN WITNESS HEREOF the said parties have herein to set their hands the day and the year first above written.

For and on behalf of
Contractor

Name:
Muhammad Pariaq

Designation:
CEO

Signature
M. Pariaq



For and on behalf of
Coca-Cola Beverages Pakistan Limited

Name:
Farooq Ullah

Designation:
Operations Manager

Signature
[Signature]

Name:
Gulfam Abbas

Designation:
BDM

Signature
[Signature]

Name:
MUHAMMAD YUSAF

Designation:
FINANCE EXECUTIVE

Signature
[Signature]

WITNESSES:

1. M. Faisal
Name & CNIC No.: 35202-5632947-1
[Signature]

2. [Signature]
Name & CNIC No.: 34101-7565593-9

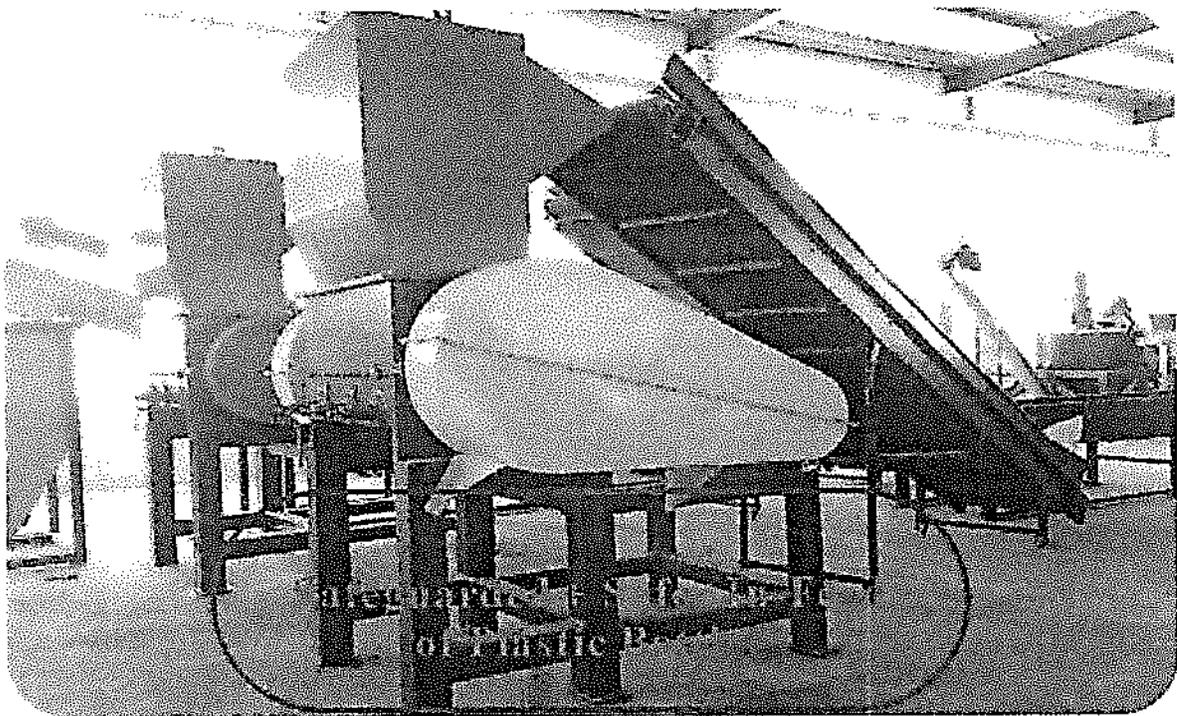
Schedule- I

Part A: Description of Services

1. Equipment

- a. The following equipment shall be provided by the Contractor (the "Equipment")
- i) **Preform shell crusher** (needs to be install at the plant for daily operations) **One machine required at each designated Territory for Non-Hazardous waste disposal.**
 - ii) **Bottle crusher** (needs to be install at the plant for daily operations) **One machine required at each designated Territory for Non-Hazardous waste disposal.**
 - iii) **Crown Crusher** (required on demand within 24hours of notice from territory operations team) **One machine required at each designated Territory for Non-Hazardous waste disposal.**
 - The above machines should fulfil the following criteria:
 - Machines should be new and not have manufacturing date of more than 5 years ago
 - Should be in perfect working condition and shall in no way create a liability, financial or otherwise for CCBPL.
 - Machines should have proper guards and safeties in place to ensure a safe working environment.
 - Warehouse Team or CCBPL's representative at each designated Territory shall monitor and verify the quality and condition of these machines to proceed to working.

PET Crusher as mentioned in Point a(ii).



Schedule I

Part B: Detail of Items and Prices

Non-Hazardous			MGF Plant
Price Offer to be <i>inclusive</i> of taxes			
Sr#	Description	UOM	Total Waste
1	Cullet (Green)	Kgs	21.00
2	Cullet (Flint)	Kgs	23.60
3	Cullet (Brown)	Kgs	15.00
4	Wooden Scrap-Industrial/Conventional	Kgs	18.85
5	Wooden Scrap-Disposable	Kgs	18.85
6	Cardboard Scrap (All types)	Kgs	52.00
7	Rejected / Waste Preforms All types (Crushed by Contractor) + PET + PET Shredded	Kgs	181.65
8	Empty Bags of Sugar local with Polythene (sound)	Kgs	290.00
9	Iron Scrap General Items except prod spares	Kgs	160.00
10	Crushed Plastic Scrap (Plastic Shell)	Kgs	204.00
11	Plastic scrap mix	Kgs	76.65
12	Production Spare parts	Kgs	200.00
13	All Kind of Polythene scrap	Kgs	182.00
14	Empty Plastic Cans of Concentrate Jerry cans approx. 22 kgs	Nos	455.00
15	Cullet (Mixed)	Kgs	20.00
16	Rejected / Waste Preforms All types	Kgs	265.00
17	S.S Scrap	Kgs	330.00
18	Wooden Pallet Cans	Nos	304.50
19	Wooden Scrap-Machinery	Kgs	130.00
20	Wooden Frame Can	Nos	340.00
21	Electric Motor Scrap	Kgs	320.00
22	Tin Scrap (Empty Cans)	Kgs	530.00
23	Plastic Closure Wastage (Damaged by Contractor)	Kgs	200.00
24	Plastic Can – Chemical	Nos	300.30
25	Fleet Spares	Kgs	190.00
26	Silver Scrap	Kgs	693.00
27	Iron Scrap - Seryya (building used iron bars)	Kgs	190.00
28	Kachra (Daily Janitorial Waste) Pickup	Pickup	2,800.00
29	Aluminum Scrap	Kgs	693.00
30	Copper Scrap	Kgs	3,255.00
31	Faulty Fan Motor	Kgs	483.00
32	Empty Bags of Sugar – Torn	Kgs	242.55
33	Packing Strip (used in packing of preforms carton)	Kgs	45.00
34	Empty Plastic Drum chemicals	Nos	2,200.00
35	Faulty Pump Motor	Kgs	399.00
36	Forklift Tyres	Nos	1,470.00
37	Crown Corks Wastage (Damaged by Contractor)	Kgs	140.00
38	Empty Iron Drum Pulpy	Nos	3,000.00
39	Empty Plastic Cans of Concentrate (IBC) approx. 1300 kgs.	Nos	13,000.00
40	Empty Bags of Sugar Imported (White) without polythene.	Kgs	433.65
41	Empty Bags of Sugar Imported with Polythene	Kgs	405.30
42	Empty Bags of Sugar (Blue)	Kgs	383.25
43	Empty Bags of Sugar (Local) without polythene.	Kgs	320.00
44	Empty Bags of Sugar local with Polythene (torned)	Kgs	244.65
45	Sweep Sugar	Kgs	120.00
46	Resin Empty Kit (Sound / damaged)	Nos	1,050.00
47	Kachra (Daily Janitorial Waste) Mazda	Mazda	20,000.00

48.	Kachra (Daily Janitorial Waste) Shezore	Shezore	7,000.00
49.	Kachra (Daily Janitorial Waste) Ching Ghee Rickshaw	Ching Ghee Rickshaw	4,000.00
50.	Sweep Resin	Kgs	260.00
51.	Resin quality rejected	Kgs	300.00
52.	Rejected Stretch Films	Kgs	215.00
53.	Rejected Shrink Films	Kgs	215.00
54.	Guarders & Pillars (any type)	Kgs	189.00
55.	Aluminium door & windows with glass	Kgs	328.65
56.	Aluminium door & windows without glass	Kgs	661.50
57.	Iron Dust (Lathé Machine Waste)	Kgs	250.00
58.	Used Wire-Silver	Kgs	1,000.00
59.	Used Wire-Copper	Kgs	1,425.00
60.	Old Relay Scrap	Kgs	1,000.00
61.	AMBERLITE IR 120 NA (RESIN)	Kgs	100.00
62.	Empty Sugar Bags Kit (500 Kgs) - Sound / Damaged	Nos	345.00
63.	S.S Scrap (Magnetic)	Kgs	180.00
64.	Old Tyres Scrap for reuse in donkey carts etc. (All Sizes) not for use as Fuel.	Kgs	60.00
65.	Used Tubes of Tyres (All Sizes) for reuse in donkey carts etc. Not for use as Fuel.	Kgs	40.00
66.	Empty Plastic Cans of Concentrate Jerry cans (approx. 8 kgs)	Nos	223.65
67.	Door (Chest Cooler)	Kgs	255.15
68.	Door (Visi Cooler)	Kgs	433.65
69.	Faulty BIB Syrup Pump	Kgs	549.15
70.	Faulty Carbonator Pump	Kgs	189.00
71.	Faulty gauges	Kgs	643.65
72.	Faulty plastic valves	Kgs	328.65
73.	Overload	Kgs	630.00
74.	Relay	Kgs	630.00
75.	Starter	Kgs	630.00
76.	Thermostat	Kgs	630.00
77.	Tube Light Holder	Kgs	451.50
78.	Tube Light Plastic Cover	Kgs	399.00
79.	Visi Cooler Door Gasket	Kgs	328.65
80.	Visi Cooler Door Handles	Kgs	328.65
81.	Visi Cooler Shelves	Kgs	328.65
82.	Resin - Burn Waste	Kgs	132.30
83.	Faulty Electronic PC Cards	Kgs	3,255.00
84.	Faulty Transformer	Kgs	373.80
85.	Compressor (Without Oil)	Kgs	433.65
86.	Faulty Condenser	Kgs	819.00
87.	Faulty Evaporator	Kgs	525.00
88.	Empty Plastic Cans of Concentrate without outer metal cage (IBC) approx. 1300 kgs	Kgs	190.00
88.	Rejected Shrink Films -without core	Kgs	210.00
89.	Rejected Stretch Films -without core	Kgs	210.00
90.	Empty Plastic Can - Chemical 8KG	Nos	105.00
91.	Empty Plastic Can - Chemical 12KG	Nos	130.00
92.	Empty Plastic Can - Chemical 15KG	Nos	150.00
93.	Empty Plastic Can - Chemical 20KG	Nos	200.00
94.	Empty Plastic Can - Chemical 25KG	Nos	210.00
95.	Empty Plastic Can - Chemical 30KG	Nos	225.75
96.	Empty Plastic Can - Chemical 35KG	Nos	262.50
97.	Empty Plastic Can - Chemical 50KG	Nos	300.00
98.	Empty Plastic Drum chemicals 120KG	Nos	504.00
99.	Empty Plastic Drum chemicals 200KG	Nos	1,732.50
100.	Empty Plastic Drum chemicals 250KG	Nos	1,732.50
101.	Empty Plastic Drum chemicals 300KG	Nos	1,785.00
102.	Cullet (Brown)	Kgs	15.00
103.	Shell Crushing Services per KG - only GRW	Kgs	-

104	Front and Back Tyres of forklift	Kgs	35.00
105	Packing paper of lids (Can caps lid)	Kgs	31.50
106	PROCONE PUMP-100GHP	Kgs	525.00
107	BALL VALVE -BRASS	Kgs	1,700.00
108	BEARING NIPPLE BRASS	Kgs	950.00
109	REDUCER PVC/BRASS	Kgs	525.00
110	SOLENOID VALVE	Kgs	315.00

Schedule II

EPA License



GOVERNMENT OF THE PUNJAB
ENVIRONMENTAL PROTECTION AGENCY
National Hockey Stadium, Gate No. 10
Ferozpur Road, Lahore.



NO. AD(EIA)/EPA/F-89(EIA)/2023/ 158

Dated: 06/02/2024

To

Muhammad Tariq,
Proponent,
M/s Total Waste Management,
R/o House No.3, Street No.65, Afghanali Street No.42,
Dil Muhammad Road, District Lahore

Subject:

**DECISION OF ENVIRONMENTAL APPROVAL FOR OPERATIONAL PHASE /
CONFIRMATION OF COMPLIANCE OF THE PROJECT "INCINERATOR BY
M/S TOTAL WASTE MANAGEMENT, OPPOSITE ANGRO FACTORY,
MURIDKEY SHEIKHUPURA ROAD, DISTRICT SHEIKHUPURA".**

1. Description of Project: Operational Phase of Incinerator with the capacity of 1200-Kg/hr for the collection, transportation, storage handling disposal of industrial / hospital hazardous / non-hazardous waste and recycling / compost of non-hazardous material (paper plastic metal wood & food waste etc.
Total area of the project: 08-Kanals, 12 Marlas.
2. Location of Project: At Opposite Angro Factory, Muridke Sheikhpura Road, District Sheikhpura
3. EPA Punjab has reviewed the Compliance Status Report of conditions contained in Environmental Approval issued vide letter No. AD(EIA)/EPA/F-89(EIA)/2023/429 dated 08.08.2023 for construction phase of project. The Compliance Status Report received from the Deputy Director (Environment), Sheikhpura vide No. 34/DD/EPA/SKP dated 31.01.2024 indicates compliance of all conditions and contain positive recommendations. EPA Punjab has also considered other relevant record before taking decision regarding issuance of Approval for Operational Phase / "Confirmation of Compliance".
4. Environmental Protection Agency Punjab accords approval for Operational Phase / "Confirmation of Compliance" under Regulation 13 of Punjab IEE and EIA Regulations, 2022 for the aforesaid project subject to following conditions:
 - i. The proponent shall ensure compliance of Punjab Environmental Quality Standards (PEQS) notified by Government for wastewater, gaseous emissions and other environmental parameters;
 - ii. Mitigation Measures suggested in IEE report and Environmental Management Plan (EMP) shall be strictly adhered to minimize any negative impacts on soil, ground water, air and biological resources of the project area. The proponent will depute staff to monitor compliance of EMP;
 - iii. Monitoring shall be carried out during the entire period of the project activities. Validated Monitoring Reports shall be submitted to EPA Field office and Director (ML&I) Lahore on quarterly basis;
 - iv. The proponent shall maintain the auditable record of measures taken for implementation of Environmental Management Plan and its periodical verification by EPA, Punjab; and

P.T.O

- v. The proponent shall comply with all the conditions contained in the Environmental Approval issued for construction phase and applicable to operational phase of the project.
- vi. The Proponent shall plant 1000 trees of 6-7 feet height annually of indigenous species in respective district. The Proponent shall also take measures for protection and upkeep of these trees and shall maintain their proper record for verification by EPA.
5. The Proponent shall be liable for correctness and validity of information supplied to this Department directly or through his/her Environmental Consultant.
6. EPA reserves the right to impose any other condition based on environmental monitoring.
7. Any change in the approved Project shall be communicated to EPA, Punjab and shall be initiated after obtaining the requisite approval.
8. This approval shall be treated as null and void if any or all of the conditions mentioned hereinbefore, are not complied with and in case on any interim injunction by any court of law against the project. This approval does not absolve the proponent of the duty to obtain any other approval or consent that may be required under any law in force.
9. This approval shall be valid for a period of three years from the date of issuance under Regulation 16 (2) of Punjab Review of HIE and EIA Regulations, 2022.
10. This approval stands revoked at anytime without any prior notice if deemed necessary in the better Public/National Interest.



ASSISTANT DIRECTOR (EIA)
for DIRECTOR GENERAL EPA

NO. & DATE EVEN.

1. A copy is forwarded to Deputy Director (Environment), Sheikhupura. He is requested to ensure compliance of the conditions mentioned in the Environmental Approval and maintain the file/record of correspondence with project proponent properly.
2. A copy is forwarded to Director (ML&I), Lahore. He is requested to ensure compliance with the conditions mentioned in Environmental Approval at (4) (i) and 4 (ii).
3. One window Cell, EPA HQs, Lahore.


ASSISTANT DIRECTOR (EIA)



No. AD(EIA)/EPA/F-S9(EIA)/2023/1290
GOVERNMENT OF THE PUNJAB
ENVIRONMENTAL PROTECTION AGENCY
National Hockey Stadium, Ferozepur Road, Lahore.



Dated: 20/11/2025

REGISTERED MAIL

To

Mr. Muhammad Tariq,
(Proponent),
Total Waste Management (SMC-Private) Limited,
Plot No. 10, Liberty Town 12.5 KM Sheikhpura Road,
District Sheikhpura.

Subject: **REQUEST TO CHANGE COMPANY NAME FOR ACQUIRED NOCS OF PROJECT, 'ESTABLISHMENT OF INCINERATOR OPPOSITE ANGRO FACTORY, MURIDKEY SHEIKHUPURA ROAD, DISTRICT SHEIKHUPURA'**

Please refer to your application/request received to this office regarding the matter cited above.

2. In this regard, I am directed to state that all provided documents have been examined and new name of company as **Total Waste Management (SMC-Private) Limited** has been noted down on record and future correspondence will be done on the new company name.


Assistant Director (EIA)

CC:

- Deputy Director (Environment), Sheikhpura for information please.
- One window cell, EPA, Lahore.

SCHEDULE III INVOICE FORMAT

CCBPL Invoice Format - Draft

A B C Corporation Ltd
Vendor Address & Contact Details
Vendor NTN/CNIC: 12345678-1
Vendor STRN: 98765409-2

Sales Tax Invoice

Customer Name: Coca-Cola Beverages Pakistan Limited
Delivery Address: _____
CCBPL Territory: Lahore
CCBPL NTN: 0709120-6
CCBPL STRN: 04-07-2202-058-91

Invoice No: 12215
Invoice Date: 10-Apr-15
PO No: 3000012345
DC Nos: 5678
5679

Leave this area blank
for barcode
(for CCBPL use only)

Vendor Code: 3001001234
GST Jurisdiction: Federal

S.no.	Item Code	Item Description	Quantity	Unit Price (PKR)	Value Exclusive of GST	GST Rate	GST Amount (PKR)	Further Tax @-% (PKR)	Value Inclusive GST (PKR)
1		ABC Material:	2	1,000,000	2,000,000	17%	340,000	57,800	2,397,800
2		XYZ Material	3	2,500,000	7,500,000	17%	1,275,000	216,750	8,991,750
3		MNO Material:	7	400,000	2,800,000	17%	476,000	80,920	3,356,920
Total					12,300,000		2,091,000	355,470	14,746,470

Bank A/C No: _____

Net Amount 12,300,000.00
GST 2,091,000.00
Delivery Cost 150,000.00
GST on Delivery Cost @ 16% 24,000.00
Gross Amount (PKR) 14,920,470.00

Other Details: _____
(e.g., Tax deduction or exemption information)

SCHEDULE IV

General Service Contract Health, Safety and Environmental Requirements

TABLE OF CONTENTS

1. Purpose	2
2. Definitions	2
3. Requirements	2
3.1. Compliance with Legislation and COMPANY Site Rules	2
3.2. Prohibited Items	2
3.3. Smoking	3
3.4. Safety Equipment	3
3.5. Permit to Work (PTW)	3
3.6. Risk Assessment	3
3.7. Material Safety Data Sheets	3
3.8. Personal Protective Equipment (PPE)	4
3.9. Emergency Response	4
3.10. 24-Hour Emergency Contact Details	4
3.11. Incident Reporting & Near Miss Program	4
3.12. COMPANY HSE Audits	4
3.13. Induction Trainings	5
3.14. General Safety & Environmental Requirements	5
3.15. Remedies in the Event of Inadequate Performance	6

1. Purpose

The following are the minimum Health, Safety & Environmental (HSE) requirements for all Contractors executing work at or on behalf of Coca-Cola Beverages Pakistan Limited and associated off site contractors (i.e. Cooler Refurbishment and Pallet Repair Works, Contracted Warehouses operations). It is the Contractor's responsibility to communicate the HSE requirements under the scope of work covered in this Contract to all of their employees and subcontractors (if applicable) engaged to perform this scope of work, and to demonstrate they follow them.

The HSE requirements under the scope of work covered in this Contract include:

1. All requirements referenced in this document, the General Service Contract HSE Requirements; and,
2. Any specific requirements documented within each of the procedures relevant to your scope of work; and,
3. Any specific requirements documented within the scope of work under this contract or the specific requirements that will be handed over prior to the commissioning of the work at the Coca-Cola Beverages Pakistan Limited sites (by the plants/facilities).

2. Definitions

COMPANY- Coca-Cola Beverages Pakistan Limited

HSE – Health, Safety & Environment

PTW- Permit to Work

3. Requirements

3.1. Compliance with Legislation and COMPANY Site Rules

All work carried out by or on behalf of the Contractor shall as a minimum be in accordance with relevant country legislation and standards. In addition to legislative requirements and specific details outlined in this document, Contractors working at or on behalf of COMPANY are required to adhere to the requirements stated within this document and also that will be declared by the site/facility management. In this role, COMPANY has the authority to require Contractors to stop work if they are breaching the obligations within this document. In addition to the requirements outlined in this document, Contractors working on behalf of COMPANY under the scope of this contract must adhere to COMPANY's relevant HSE requirements which will be declared prior to the commissioning of the work at site/facility.

3.2. Prohibited Items

The following items are prohibited onsite:

- Firearms (except authorised officers of the law or Defence Force personnel when on duty)
- Explosives
- Illegal drugs
- Illicit substances
- Alcohol

3.3. Smoking

Smoking is prohibited onsite except for in designated smoking areas.

3.4. Safety Equipment

In general, contractors are required to bring their own safety equipment to the site. But in some cases, COMPANY may decide to provide some safety equipment. Where equipment is supplied by the COMPANY it shall be treated with due care. Under no circumstances shall safety equipment be modified from manufacturers' specifications without approval from the COMPANY. This may lead to instant dismissal from the site.

3.5. Permit to Work (PTW)

All dangerous work conducted under the scope of this Contract will be conducted in accordance with the COMPANY "Permit to Work" process. COMPANY operates a stringent permit to work system - the Contractor shall not commence any work in the plant/facility unless the appropriate permits have been granted for the dangerous work.

Dangerous Works are considered as below, but may not be limited to:

- Confined Space Entry.
- Excavation.
- Working at Heights.
- Energy Isolation (Logout Tag out).
- Any work related to Electrical Safety.
- Hot Work.
- Working on the Roofs

3.6. Risk Assessment

The Contractor shall prepare a risk assessment for all of its operations and submit those risk assessment documents to the plant/facility before commissioning/start of the work.

3.7. Material Safety Data Sheets

The Contractor shall provide MSDS's for all chemicals/hazardous materials that they intend to use onsite before commissioning/starting of the work at site.

3.8. Personal Protective Equipment (PPE)

The Contractor shall provide the necessary PPE in the appropriate quantity and comply with the relevant local country Standard/s or in case there is no country standard/regulation the PPEs should comply with EN norms or ANSI norms. Specifically, this will require the provision of a full body harness for working at heights works. Safety belts are PROHIBITED.

3.9. Emergency Response

All contract personnel shall be made aware of the COMPANY's emergency response protocols, signage, and muster point locations in COMPANY's HSE Induction. In the event of an emergency (highlighted by the sounding of the site alarms or any announcement by the local site responsible) all contract staff must follow the protocols and adhere to any instructions provided by Emergency Personnel and/or their contractor site responsible.

3.10. 24-Hour Emergency Contact Details

The Contractor shall provide their contractor responsible of site with 24-hour contact phone numbers in the event of an emergency.

3.11. Incident Reporting & Near Miss Program

Contractors shall report all incidents that occur onsite to COMPANY site Safety Responsible and site project responsible immediately. In the event of an incident, the scene shall be preserved as far as reasonably practicable until the site safety responsible arrives.

COMPANY operates a Near Miss Reporting process. If there is a near miss observed at the site by the contractor employees, they could reach out to the site safety responsible arrives.

3.12. COMPANY HSE Audits

COMPANY reserves the right to audit the contractor's onsite work and adherence to a HSE system, procedures, the content of this contract and COMPANY's site rules and procedures. If there is a non-conformance occurred during these onsite HSE Audits, the contractors are required to have an effective corrective action plan and implement it. If there is an immediate danger to health/safety issues observed during the onsite HSE audits, then COMPANY has the right to stop the job.

until the necessary precautions are taken and the site is clear/safe for operation. COMPANY also has the right to remove any contractor, contractor employee or subcontractor from plant property for violations of any plant rules, regulations, or laws.

3.13. Induction Trainings

Prior to commencing work on site all contractor personnel are required to have completed induction training to cover the work they intend to do.

3.14. General Safety & Environmental Requirements

1. The Contractor shall take all reasonable steps to ensure the health and safety of all persons likely to be affected by the contracted scope of work, shall take all reasonable steps to avoid harm to the environment by the execution of the contract.
2. The Contractor shall in performing the contracted scope of work provide all necessary protection of the workplace premises, facilities and of plant, components, goods, materials and at their cost make good any damages to the satisfaction of the building owner /landlord or appointed agents.
4. The contractor shall agree to comply with the safety plan that is agreed by COMPANY, contribute to any risk assessments, associated method statements to ensure a safe method of working is maintained.
5. While on the COMPANY Premises, the Contractor shall comply with any health and safety measures implemented by COMPANY or the in respect of personnel and other persons working on those Premises.
6. The Contractor shall ensure that their health and safety policy statement and supporting management system documentation is made available to COMPANY on request, and grant COMPANY right of access for audit and verification subject to reasonable notice.
7. Where requested, by COMPANY the contractor shall seek accredited certification to OHSAS 18001 and or ISO 14001 to independently demonstrate compliance to the required standards.
8. The Contractor shall employ and retain during all working hours, competent personnel to the reasonable satisfaction of COMPANY. Should COMPANY be dissatisfied with the personnel and give written notice thereof to the Contractor, the Contractor shall exclude such personnel from the provision of the contracted scope of work and substitute other personnel in their place.
9. Upon request of COMPANY the contractor shall provide all relevant records to demonstrate effective health and safety controls such as maintenance, inspection and test records of vehicles, plant and machinery and personal protection equipment.
10. The Contractor warrants and represents that all staff assigned to the performance of the Contract shall possess and exercise such skill and experience as being necessary for the proper performance of the Contract.
11. In the event that the contracted scope of work includes design activity the contractor warrants that all appropriate safety precautions will be design into the solution and associated safe working practices for implementation.
12. The Contractor shall not treat or dispose of any waste as a result of executing the contracted scope of work in a manner likely to damage the health and safety of any person or the environment and shall comply with every relevant statutory duty.
13. To the extent that the standard of work has not been specified in the Contract, the Contractor shall use the best applicable techniques and standards and execute the Contract with all reasonable care, skill, and diligence.
14. All minimum training requirements shall be addressed and records available prior to any contractor personnel commencing work for long term construction contractors. The Contractor shall undertake such health and safety related training to ensure legislative compliance and to ensure that the safe working practices defined by COMPANY, or they can be maintained.
15. The construction contractor shall notify COMPANY of all personnel who will conduct survey, construction, installation, maintenance, delivery, removal, or other associated works, including name, roles & responsibilities indicating who shall have primary responsibility for health and safety.
16. The construction contractor shall notify COMPANY of all their sub-contractors and get approval from COMPANY prior to their use. The contractor shall remain responsible for all Health and safety requirements and performance of their tier contractors and shall pass on the COMPANY and health and safety requirements as deemed appropriate to ensure the integrity of the health and safety provisions are maintained.

3.15. Remedies in the Event of Inadequate Performance

1. If the Contractor fails to perform any of the Services to the Contract requirements for Health, Safety and Environmental Management, then COMPANY shall instruct the Contractor to perform the work, and the Contractor shall at its own cost and expense remedy such failure (and any damage resulting from such failure).
2. Should the Contractor commit a significant breach, or fail in the performance of its duties with respect to Health, Safety or Environmental management under the contract COMPANY will at its discretion: -
 - Cancel the contract forthwith without liability to the Contractor.
 - Make such deduction from any payments due or already made to the Contractor as COMPANY shall reasonably determine are required make good or complete work the contractor has either failed to provide or have provided inadequately.

- Provide or procure the provisions of part of the contracted work until such time as the Contractor shall have demonstrated to the reasonable satisfaction of COMPANY that the Contractor will once more be able to perform such part of the Services to the Contract Standard.

3. For the purpose of clarification deductions in response to failing in the performance of health and safety duties shall be made in accordance the following table.

EHS Compliance	Penalty
Improper Harness / no dual lanyard harness	\$100,00
No safety shoes	\$100,00
No lifeline system used	\$150,00
No hard hat	\$100,00
No eye protection for hot works	\$100,00
Smoking in non-smoking area	\$100,00
Induction training is not taken	\$100,00
No LOTO implementation (per each case)	\$250,00
No work permit taken	\$150,00
Working under the influence of alcohol	\$500,00
No test while working in confined space	\$250,00
Determination of assignment of tier-subcontractor without COMPANY's approval	\$250,00
Damaged electrical instruments being used (grinder, drill, cable, Hilti, etc.)	\$100,00
Determination of bad housekeeping, left over wastes	\$100,00
Refusal to follow safety instructions	\$100,00
Not using chokes while loading and unloading of the operations of the trucks/trailers	\$100,00
Determination of not reporting an incident to COMPANY that occurred on site	\$100,00
Determination of the vehicle/vehicles all seats are lack of safety belts/laps	\$100,00
Working on unapproved working platform/scaffolding	\$250,00

4. All such penalties will/shall be documented and the contractor to be notified. In addition, the contractor shall initiate appropriate corrective and preventative actions as requested by and to the satisfaction of COMPANY.
5. COMPANY reserve the right to define additional penalties in response to analysis of overall health and safety performance. The Contractor shall be notified of all such changes before they are introduced.

SCHEDULE V

Basic Principles for Suppliers and Business Management Code of Ethics

This document ("Code") is valid for Coca-Cola Beverages Pakistan Limited ("CCI" or the "Company").

This document constitutes an annex to and, integral part of the Agreement as concluded by and between CCI on the side and the ("Supplier") on the other. This document represents the basic rules of the commercial relation between CCI and the Supplier. This document will be applied whether there is a signed contract or not.

Basic Principles for Suppliers

CCI, its subsidiaries and the suppliers as authorized by CCI are required to comply with the principles as laid down hereunder in connection with the entirety of their businesses.

- **Laws and Regulations:** The Supplier should comply with any or all laws, regulations, rules and conditions in effect during the production and distribution of our products and materials and in providing services to the Company.
- **Child Labor:** The Supplier should comply with the prohibition of child labor in the manner as laid down in the local regulations.
- **Forced Labor:** The Supplier should not employ its employees by use of force.
- **Labor Abuse:** The Supplier should not physically abuse labor.
- **Collective Labor Agreements:** The Supplier should respect the rights of its employees to be represented by third parties and to hold collective bargaining within the framework of the laws in effect.
- **Fees and Interests:** Fees and Interests should be determined within the framework of the local law.
- **Working Hours and Overtime Work:** The Supplier should adhere to the local laws and regulations relevant to the working hours and overtime work.
- **Health and Security:** The working conditions should be in correspondence with the local laws and regulations.
- **Environment:** The Supplier should comply with any or all environmental laws in effect.

In performing the work subject of the present Agreement, the Supplier agrees and undertakes to comply with the "Basic Principles for Suppliers" as stipulated by CCI and attached to this Agreement as Appendix. The Supplier should be able to show, upon request by, and to the satisfaction of CCI, that the Supplier follows the said basic principles.

This Agreement authorizes CCI and its subsidiaries to inspect the site where the work subject of the Agreement is performed for the purpose of determining whether the said principles are followed or not. If the Supplier fails to comply with the said basic principles to the satisfaction of CCI, CCI shall be entitled to the right to terminate this Agreement immediately, and in such case, the Supplier may not raise any claim whatsoever for any compensation, penalty clause, or under any title whatsoever against CCI.

Business Management Code of Ethics

CCI expects all of its employees and suppliers to comply with the laws and to follow the ethics in every subject. Our Business Management Code of Ethics lays down the basic standards relating to employee attitude. This Supplier Business Management Code of Ethics sets out the relevant requirements for our suppliers. We can attain great success by cooperating and doing the right thing.

Note: This Code covers the general requirements applicable to all of those who Supply to CCI. Certain supplier contracts or the legal regulations which our suppliers are subject to may include more specific provisions treating some of the identical issues. No subject within the scope of the present Code is intended to replace a more specific provision as stipulated under a certain supplier contract or the laws and legal

regulations, and in case of any inconsistency between the present Code and any other provision of a certain contract, the other specific provisions shall control.

Conflicts of Interest

The employees of CCI shall act in the best interests of the Company. Accordingly, the employees should not be involved in any financial or other relationship with any supplier which may conflict or appear to conflict with the obligation to act in the best interests of CCI. For instance, suppliers should not offer anything of value or make any payments to any employee of the Company during any transaction process with the supplier. Friendships beyond the business process are unavoidable and acceptable, however, suppliers should take care that no personal relationship is used in a way as to affect the business decisions of an employee of CCI. If an employee of a supplier has any familial relationship (spouse, parent, sister/brother, grandfather, daughter/son, granddaughter/grandson, mother-in-law or father-in-law or similar or house partner of the opposite sex) with an employee of CCI, or if a supplier is involved in any relationship with an employee of CCI which may represent a conflict of interest, the supplier shall have to disclose this fact to CCI and, further, to ensure that the employee of CCI will disclose as such.

In case of such a situation, CCI shall be entitled to terminate the Agreement unilaterally.

Gifts, Food and Entertainment

The employees of CCI shall be prohibited to accept anything more than modest gifts or meals from suppliers. Ordinary business meals may be given; however, suppliers shall have to refrain from frequent offering of travels, meals or gifts to the employees of CCI. Gifts made of cash or cash equivalents such as gift cards shall in no way be permissible.

Business and Financial Records

Both the Supplier and CCI shall have to keep true records of all subjects relating to the business of the supplier with CCI. Keeping of proper records of any or all expenses and payments shall be included in this. In case CCI works with a supplier on a time basis, time records shall have to be full and accurate. Suppliers should not delay sending of an invoice or otherwise enable the shifting of any expense to a different accounting period.

Bribery

Suppliers acting for and on behalf of CCI should adhere to all the local laws relating to bribing government officials. In connection with any transaction under the capacity of supplier to CCI, or otherwise concerning CCI, the Supplier should not transfer, whether directly or indirectly, anything of value to a government official, an employee of a company under state inspection or a political party in order to obtain an improper benefit or advantage. Suppliers shall have to keep a written account of all the payments (including gifts, meals, entertainment or any other thing of value) effected out of the funds provided for or by CCI. Suppliers should furnish a copy of such accounts upon request by CCI.

Compliance with Sanctions and Anti-Money Laundering

The Supplier is required to comply with applicable local and international sanction laws, national and international anti-money laundering regulations and all regulations applicable to it or to CCI, with embargos, restrictive measures or export controls (collectively referred to as "Sanctions"), take effective measures to detect the proceeds of crime and prevent money laundering, evaluate its processes with a risk-based approach within the framework of the "know your customer" principle and report any suspicion of a transaction to CCI without any delay. In this context, it is prohibited for the Supplier to engage in a commercial relation with Specially Designated Nationals ("SDN"); certain governmental organization or group entities referred to as blocked persons and/or prohibited party(ies), within the context of the product/service it will provide to CCI, it is prohibited from using the input obtained from, receiving payments from, or making payments to, certain governments, institutions, groups or individuals referred to as Specially Designated Nationals, blocked persons and/or prohibited party(ies) subject to sanctions in any way or taking part in any transaction that is suspected or associated with proceeds of crime. In the case of violation of this prohibition, the supplier accepts, declares and undertakes itself to investigations, including into the commission of financial crimes, embargos, import/export restrictions, freezing of assets, permit/license revocation, to prison and fine money, restriction of financial transactions and criminal liability and that it will tolerate any material and moral damages, including loss of reputation, that may occur before CCI. The Supplier acknowledges that not only itself but also its affiliated companies, subsidiaries, its own employees, counsellors, organization, institution or business partners involved in the fulfilment of the work and that this may constitute a risk under this Code.

In addition, the Supplier shall, if requested by CCI, submit all the information, documents and permits that can satisfy CCI related whether compliance with sanctions and the anti-money laundering is ensured. In case where incomplete information or documents are submitted or there is any doubt the Supplier's compliance the regulations that were previously mentioned, the Supplier agrees that CCI may immediately terminate its contract with the Supplier without compensation and may claim any damages that may cause for this reason.

Protection of Data

Suppliers shall be obliged to protect the confidential data of CCI. Suppliers who are provided access to confidential data as part of the business relationship should not share such data with any other person unless authorized to do so by CCI. Suppliers should not deal in securities relying on the confidential data received from CCI, nor encourage any other person to do so. If a supplier believes that they are provided access to the confidential data of CCI by error, such supplier shall be obliged to notify the respective contact person within the Company immediately and to refrain from disclosing such data to any other parties.

Similarly, if a supplier is under a contractual or legal obligation not to share the data relevant to any other company or person, they should not share such data with CCI.

The Supplier agrees and undertakes to make all its developments in accordance with international standards and to take all necessary precautions regarding information security and to act in accordance with all instructions to be communicated by CCI regarding information security. If CCI wishes to undergo safety and performance testing of the services received from the Supplier before being transferred to the live environment, and critical and high-priority security vulnerabilities arise, and if the related vulnerability is related to the Software developed by the Supplier, these problems shall be remedied by the Supplier immediately. If the security gaps before the transfer to the live environment are not related to the software developed by the Supplier and related to the software / hardware under the responsibility of CCI, the Final Acceptance of the project shall be made and the security required for the transfer of the project to the live environment shall be transferred to the live environment. The Supplier shall immediately inform CCI using information_security@cci.com.tr email address in case of a security incident that may affect CCI due to any weaknesses in its systems.

The Supplier shall be obliged to provide such information or document in a timely and requested manner if any information or document are requested by any regulatory authority or in accordance with any laws in Pakistan.

Protection of Personal Data

The Supplier agrees and undertakes that any Personal Data shared by CCI whether in written or oral form, is obtained, processed and shared in accordance with the relevant local laws and relevant legislations.

The Supplier hereby agrees and undertakes to fully comply with the laws and relevant legislations; to keep the Personal Data confidential; to prevent the Personal Data from unlawful process and access; not to transfer the Personal Data to third parties or overseas; to use and store the Personal Data limited with the purpose and duration of the Agreement or the transaction in general; not to process the Personal Data without explicit consent of the data subject and CCI; without the necessity of a notification from CCI, to erase, destroy or otherwise anonymize the Personal Data immediately after the reasons of processing has expired, save for the statutory obligations.

The Supplier further undertakes to take all technical and administrative precautions to prevent the Personal Data from unlawful processing and to store the Personal Data limited with the purpose and legal period pursuant to the laws and the relevant legislations.

The Supplier guarantees to commensurately identify the authorization of its personnel, sub-contractors' personnel or other individuals (together shall mean "Personnel") to access and process the Personal Data in a limited manner and in line with the laws and the relevant legislations. The Supplier further ensures that such Personnel shall not transfer or share the methods/passwords used for the authorization to access and process the Personal Data and to inform and educate the Personnel about the obligations set forth in the laws and relevant legislations. The Supplier undertakes that its Personnel shall not breach the terms of this



undertaking even they have ceased working for the Supplier after the signature date of this undertaking; otherwise, to be under joint and several liability together with the related Personnel.

The Supplier's obligations arising out of the laws and relevant legislations survives after the expiration or termination of the Agreement; however, in any case following the termination/expiration of the Agreement, the Supplier shall return all Personal Data obtained from CCI; shall not keep a record of the same for whatever reason and destroy all Personal Data. The Supplier agrees to fulfil the requirements of CCI pertaining to return or destroy of Personal Data within five (5) business day commencing from the receipt of such requirement.

Reporting of any Possible Misconduct

Those suppliers who believe that an employee of CCI or any person acting for and on behalf of CCI have engaged in any illegal or otherwise improper conduct should report this to the Company. The supplier may contact the manager of such employee or the Legal Directorate and, apply to third-party operated CCI Ethics Line via telephone at +90 212 371 07 32. The relationship of a supplier with CCI shall not be affected from a possible misconduct reporting carried out in good faith.

The Supplier agrees and undertakes that the Supplier and/or any one of their employees shall not violate any provision of "CCI Business Management Code of Ethics" constituting Appendix to this Agreement and an integral part of the present Agreement or take any action whatsoever which may constitute a breach thereof.

TOTAL WASTE Management (SMC Private) Limited.	COCA-COLA BEVERAGES PAKISTAN LIMITED.
<p>Name surname: <i>Muhammad Farooq</i></p> <p>Designation: <i>CEO</i></p> <p>Signature Date:</p> <p>Stamp / Signature: <i>M Farooq</i></p> <p>Name surname: <i>Gulshan Abbas</i></p> <p>Designation: <i>BDM</i></p> <p>Signature Date:</p> <p>Stamp / Signature: <i>Gulshan</i></p>	<p>Name surname: <i>Fabee Ullah</i></p> <p>Designation: <i>Operations Manager</i></p> <p>Signature Date:</p> <p>Stamp / Signature: <i>FU</i></p> <p>Name surname:</p> <p>Designation:</p> <p>Signature Date:</p> <p>Stamp / Signature:</p>

